

Last login: Mon Jul 26 15:33:47 on ttys009

The default interactive shell is now zsh.
To update your account to use zsh, please run `chsh -s /bin/zsh`.
For more details, please visit <https://support.apple.com/kb/HT208050>.
(base) Kaleighs-MacBook-Pro-2:~ kaleighohara\$ cd Desktop/Thesis/REPO/AnonymizePeople/deep-person-reid-master/
(base) Kaleighs-MacBook-Pro-2:deep-person-reid-master kaleighohara\$ conda create --name torchreid python=3.7

Collecting package metadata (repodata.json): done
Solving environment: done

Package Plan

environment location: /Users/kaleighohara/anaconda3/envs/torchreid

added / updated specs:
- python=3.7

The following packages will be downloaded:

package	build	
certifi-2021.5.30	py37hec8cb5_0	141 KB
pip-21.1.3	py37hec8cb5_0	2.0 MB
python-3.7.10	h88f2d9e_0	22.8 MB
readline-8.1	h9ed2024_0	432 KB
setuptools-52.0.0	py37hec8cb5_0	888 KB
sqlite-3.36.0	hce871da_0	1.8 MB
Total:		28.0 MB

The following NEW packages will be INSTALLED:

ca-certificates	pkgs/main/osx-64::ca-certificates-2021.7.5-hecd8cb5_1
certifi	pkgs/main/osx-64::certifi-2021.5.30-py37hec8cb5_0
libcxx	pkgs/main/osx-64::libcxx-10.0.0-1
libffi	pkgs/main/osx-64::libffi-3.3-hb1e8313_2
ncurses	pkgs/main/osx-64::ncurses-6.2-h0a44026_1
openssl	pkgs/main/osx-64::openssl-1.1.1k-h9ed2024_0
pip	pkgs/main/osx-64::pip-21.1.3-py37hec8cb5_0
python	pkgs/main/osx-64::python-3.7.10-h88f2d9e_0
readline	pkgs/main/osx-64::readline-8.1-h9ed2024_0
setuptools	pkgs/main/osx-64::setuptools-52.0.0-py37hec8cb5_0
sqlite	pkgs/main/osx-64::sqlite-3.36.0-hce871da_0
tk	pkgs/main/osx-64::tk-8.6.10-hb0a8c7a_0
wheel	pkgs/main/noarch::wheel-0.36.2-pyhd3eb1b0_0
xz	pkgs/main/osx-64::xz-5.2.5-h1de35cc_0
zlib	pkgs/main/osx-64::zlib-1.2.11-h1de35cc_3

Proceed ([y]/n)?

Downloading and Extracting Packages
setuptools-52.0.0 | 888 KB | ##### | 100%
certifi-2021.5.30 | 141 KB | ##### | 100%
readline-8.1 | 432 KB | ##### | 100%
sqlite-3.36.0 | 1.8 MB | ##### | 100%
pip-21.1.3 | 2.0 MB | ##### | 100%
python-3.7.10 | 22.8 MB | ##### | 100%

Preparing transaction: done
Verifying transaction: done
Executing transaction: done

To activate this environment, use

\$ conda activate torchreid

To deactivate an active environment, use

\$ conda deactivate

(base) Kaleighs-MacBook-Pro-2:deep-person-reid-master kaleighohara\$ conda activate torchreid
(torchreid) Kaleighs-MacBook-Pro-2:deep-person-reid-master kaleighohara\$ conda install pip
Collecting package metadata (repodata.json): done
Solving environment: done

All requested packages already installed.

(torchreid) Kaleighs-MacBook-Pro-2:deep-person-reid-master kaleighohara\$ /Users/kaleighohara/anaconda3/envs/torchreid/bin/pip install -r requirements.txt

Collecting numpy
Downloading numpy-1.21.1-cp37-cp37m-macosx_10_9_x86_64.whl (16.9 MB)
16.9 MB 4.6 MB/s

Collecting Cython
Downloading Cython-0.29.24-cp37-cp37m-macosx_10_9_x86_64.whl (1.9 MB)
1.9 MB 35.6 MB/s

Collecting h5py
Downloading h5py-3.3.0-cp37-cp37m-macosx_10_9_x86_64.whl (2.9 MB)
2.9 MB 30.0 MB/s

Collecting Pillow
Downloading Pillow-8.3.1-cp37-cp37m-macosx_10_9_x86_64.whl (2.9 MB)
2.9 MB 24.5 MB/s

Collecting six
Downloading six-1.16.0-py2.py3-none-any.whl (11 kB)

Collecting scipy
Downloading scipy-1.7.0-cp37-cp37m-macosx_10_9_x86_64.whl (31.9 MB)
31.9 MB 24.0 MB/s

Collecting opencv-python
Downloading opencv-python-4.5.3.56-cp37-cp37m-macosx_10_15_x86_64.whl (42.6 MB)
42.6 MB 18.5 MB/s

Collecting matplotlib
Downloading matplotlib-3.4.2-cp37-cp37m-macosx_10_9_x86_64.whl (7.2 MB)
7.2 MB 19.9 MB/s

Collecting tb-nightly
Downloading tb-nightly-2.6.0a20210725-py3-none-any.whl (5.5 MB)
5.5 MB 15.1 MB/s

Collecting future
Using cached future-0.18.2.tar.gz (829 kB)
Collecting yacs
Downloading yacs-0.1.8-py3-none-any.whl (14 kB)
Collecting gdown
Downloading gdown-3.13.0.tar.gz (9.3 kB)
Installing build dependencies ... done
Getting requirements to build wheel ... done
Preparing wheel metadata ... done
Collecting flake8
Downloading flake8-3.9.2-py2.py3-none-any.whl (73 kB)
73 kB 7.0 MB/s
Collecting yapf
Downloading yapf-0.31.0-py2.py3-none-any.whl (185 kB)
185 kB 21.8 MB/s
Collecting isort==4.3.21
Downloading isort-4.3.21-py2.py3-none-any.whl (42 kB)
42 kB 4.2 MB/s
Collecting imageio
Downloading imageio-2.9.0-py3-none-any.whl (3.3 MB)
3.3 MB 27.3 MB/s
Collecting cached-property
Downloading cached-property-1.5.2-py2.py3-none-any.whl (7.6 kB)
Collecting python-dateutil<2.7,
Downloading python-dateutil-2.8.2-py2.py3-none-any.whl (247 kB)
247 kB 51.0 MB/s
Collecting cyclical==0.10
Using cached cyclical-0.10.0-py2.py3-none-any.whl (6.5 kB)
Collecting kiwisolver>=1.0.1
Downloading kiwisolver-1.3.1-cp37-cp37m-macosx_10_9_x86_64.whl (61 kB)
61 kB 17.3 MB/s
Collecting pyparsing>=2.2.1
Using cached pyparsing-2.4.7-py2.py3-none-any.whl (67 kB)
Collecting google-auth<2,>=1.6.3

```
_pytorch_select    pkgs/main/osx-64::_pytorch_select-0.1-cpu_0
blas               pkgs/main/osx-64::blas-1.0-mkl
cffi               pkgs/main/osx-64::cffi-1.14.6-py37h2125817_0
freetype           pkgs/main/osx-64::freetype-2.10.4-ha233b18_0
```

```
intel-openmp pkgs/main/osx-64::intel-openmp-2019.4-233
jpeg          pkgs/main/osx-64::jpeg-9b-he5867d9_2
lcms2         pkgs/main/osx-64::lcms2-2.12-hf1fd2bf_0
libkml        pkgs/main/osx-64::libkml-2019.0-5.0
libpng        pkgs/main/osx-64::libpng-1.6.37-ha441bb4_0
libtiff       pkgs/main/osx-64::libtiff-4.2.0-h87d7836_0
libwebp-base pkgs/main/osx-64::libwebp-base-1.2.0-h9ed2024_0
llvm-openmp   pkgs/main/osx-64::llvm-openmp-10.0.0-h28b9765_0
lz4-c         pkgs/main/osx-64::lz4-c-1.9.3-h23ab428_0
mkl           pkgs/main/osx-64::mkl-2019.4-233
mkl-service   pkgs/main/osx-64::mkl-service-2.3.0-py37h9ed2024_0
mkl_fft       pkgs/main/osx-64::mkl_fft-1.3.0-py37ha059a0b_0
mkl_random    pkgs/main/osx-64::mkl_random-1.1.1-py37h959d312_0
ninja         pkgs/main/osx-64::ninja-1.10.2-hf7b0b51_1
numpy         pkgs/main/osx-64::numpy-1.19.2-py37h456fd55_0
numpy-base    pkgs/main/osx-64::numpy-base-1.19.2-py37hcfb5961_0
olefile       pkgs/main/osx-64::olefile-0.46-py37_0
openjpeg      pkgs/main/osx-64::openjpeg-2.3.0-hb95cd4c_1
pillow        pkgs/main/osx-64::pillow-8.3.1-py37ha4cf6ea_0
pyparser      pkgs/main/noarch::pyparser-2.20-py_2
pytorch       pkgs/main/osx-64::pytorch-1.7.1-cpu_py37hb87dcc5_0
six           pkgs/main/noarch::six-1.16.0-pyh3be1b0_0
torchvision   pkgs/main/osx-64::torchvision-0.8.2-cpu_py37hde629fd_0
typing-extensions pkgs/main/noarch::typing-extensions-3.10.0.0-hd3eb1b0_0
typing_extensions pkgs/main/noarch::typing_extensions-3.10.0.0-pyh06a4308_0
zstd          pkgs/main/osx-64::zstd-1.4.9-h322a384_0
```

Proceed ([y]/n)? n

CondaSystemExit: Exiting.

(torchreid) Kaleighs-MacBook-Pro-2:deep-person-reid-master kaleighahara\$ conda install pytorch torchvision -c pytorch
Collecting package metadata (repodata.json): done
Solving environment: done

Package Plan

environment location: /Users/kaleighahara/anaconda3/envs/torchreid

added / updated specs:

- pytorch
- torchvision

The following packages will be downloaded:

package	build		
bzip2-1.0.8	h1de35cc_0	104 KB	
ffmpeg-4.3	h0a44026_0	10.1 MB	pytorch
freetype-2.10.4	ha233b18_0	891 KB	
gettext-0.21.0	h7535e17_0	3.4 MB	
gmp-6.2.1	h23ab428_2	789 KB	
gnutls-3.6.15	hed9c0bf_0	1.2 MB	
icu-58.2	h0a44026_3	22.6 MB	
intel-openmp-2021.3.0	hecdb8cb5_3375	1.2 MB	
lame-3.100	h1de35cc_0	496 KB	
lcms2-2.12	hf1fd2bf_0	409 KB	
libidn2-2.3.2	h9ed2024_0	102 KB	
libtasn1-4.16.0	h9ed2024_0	55 KB	
libtiff-4.2.0	h87d7836_0	606 KB	
libunistring-0.9.10	h9ed2024_0	623 KB	
libuv-1.40.0	haf1e3a3_0	421 KB	
libwebp-base-1.2.0	h9ed2024_0	768 KB	
libxml2-2.9.12	hcd878fc_0	1.2 MB	
llvm-openmp-10.0.0	h28b9765_0	270 KB	
lz4-c-1.9.3	h23ab428_0	162 KB	
mkl-2021.3.0	hecdb8cb5_517	207.8 MB	
nettle-3.7.3	h230ac6f_1	423 KB	
ninja-1.10.2	hf7b0b51_1	112 KB	
openh264-2.1.0	hd9629dc_0	1.5 MB	
openjpeg-2.3.0	hb95cd4c_1	417 KB	
pillow-8.3.1	py37ha4cf6ea_0	663 KB	
pytorch-1.9.0	py37_0	78.9 MB	pytorch
torchvision-0.10.0	py37_cpu	6.8 MB	pytorch
typing_extensions-3.10.0.0	pyh06a4308_0	28 KB	
zstd-1.4.9	h322a384_0	825 KB	
Total:		342.7 MB	

The following NEW packages will be INSTALLED:

```
blas          pkgs/main/osx-64::blas-1.0-mkl
bzip2         pkgs/main/osx-64::bzip2-1.0.8-h1de35cc_0
ffmpeg        pytorch/osx-64::ffmpeg-4.3-h0a44026_0
freetype      pkgs/main/osx-64::freetype-2.10.4-ha233b18_0
gettext       pkgs/main/osx-64::gettext-0.21.0-h7535e17_0
gmp           pkgs/main/osx-64::gmp-6.2.1-h23ab428_2
gnutls        pkgs/main/osx-64::gnutls-3.6.15-hed9c0bf_0
icu           pkgs/main/osx-64::icu-58.2-h0a44026_3
intel-openmp  pkgs/main/osx-64::intel-openmp-2021.3.0-hecdb8cb5_3375
jpeg          pkgs/main/osx-64::jpeg-9b-he5867d9_2
lame          pkgs/main/osx-64::lame-3.100-h1de35cc_0
lcms2         pkgs/main/osx-64::lcms2-2.12-hf1fd2bf_0
libiconv      pkgs/main/osx-64::libiconv-1.16-h1de35cc_0
libidn2       pkgs/main/osx-64::libidn2-2.3.2-h9ed2024_0
libpng        pkgs/main/osx-64::libpng-1.6.37-ha441bb4_0
libtasn1      pkgs/main/osx-64::libtasn1-4.16.0-h9ed2024_0
libtiff       pkgs/main/osx-64::libtiff-4.2.0-h87d7836_0
libunistring  pkgs/main/osx-64::libunistring-0.9.10-h9ed2024_0
libuv         pkgs/main/osx-64::libuv-1.40.0-haf1e3a3_0
libwebp-base  pkgs/main/osx-64::libwebp-base-1.2.0-h9ed2024_0
libxml2       pkgs/main/osx-64::libxml2-2.9.12-hcd878fc_0
llvm-openmp   pkgs/main/osx-64::llvm-openmp-10.0.0-h28b9765_0
lz4-c         pkgs/main/osx-64::lz4-c-1.9.3-h23ab428_0
mkl           pkgs/main/osx-64::mkl-2021.3.0-hecdb8cb5_517
nettle        pkgs/main/osx-64::nettle-3.7.3-h230ac6f_1
ninja         pkgs/main/osx-64::ninja-1.10.2-hf7b0b51_1
olefile       pkgs/main/osx-64::olefile-0.46-py37_0
openh264      pkgs/main/osx-64::openh264-2.1.0-hd9629dc_0
openjpeg      pkgs/main/osx-64::openjpeg-2.3.0-hb95cd4c_1
pillow        pkgs/main/osx-64::pillow-8.3.1-py37ha4cf6ea_0
pytorch       pytorch/osx-64::pytorch-1.9.0-py37_0
torchvision   pytorch/osx-64::torchvision-0.10.0-py37_cpu
typing_extensions pkgs/main/noarch::typing_extensions-3.10.0.0-pyh06a4308_0
zstd          pkgs/main/osx-64::zstd-1.4.9-h322a384_0
```

Proceed ([y]/n)? y

```
Downloading and Extracting Packages
lz4-c-1.9.3 | 162 KB | ##### | 100%
ninja-1.10.2 | 112 KB | ##### | 100%
lcms2-2.12 | 409 KB | ##### | 100%
torchvision-0.10.0 | 6.8 MB | ##### | 100%
gnutls-3.6.15 | 1.2 MB | ##### | 100%
pillow-8.3.1 | 663 KB | ##### | 100%
openjpeg-2.3.0 | 417 KB | ##### | 100%
gmp-6.2.1 | 789 KB | ##### | 100%
libtasn1-4.16.0 | 55 KB | ##### | 100%
bzip2-1.0.8 | 104 KB | ##### | 100%
mkl-2021.3.0 | 207.8 MB | ##### | 100%
libunistring-0.9.10 | 623 KB | ##### | 100%
openh264-2.1.0 | 1.5 MB | ##### | 100%
llvm-openmp-10.0.0 | 270 KB | ##### | 100%
intel-openmp-2021.3.0 | 1.2 MB | ##### | 100%
libwebp-base-1.2.0 | 768 KB | ##### | 100%
```

```
nettle-3.7.3      | 423 KB | ##### | 100%
zstd-1.4.9       | 825 KB | ##### | 100%
icu-58.2         | 22.6 MB | ##### | 100%
libidn2-2.3.2    | 102 KB | ##### | 100%
ffmpeg-4.3       | 10.1 MB | ##### | 100%
freetype-2.10.4  | 891 KB | ##### | 100%
libtiff-4.2.0    | 606 KB | ##### | 100%
libxml2-2.9.12   | 1.2 MB | ##### | 100%
gettext-0.21.0   | 3.4 MB | ##### | 100%
lame-3.100       | 406 KB | ##### | 100%
typing_extensions-3. | 28 KB | ##### | 100%
pytorch-1.9.0    | 78.9 MB | ##### | 100%
libuv-1.40.0     | 421 KB | ##### | 100%
```

```
Preparing transaction: done
Verifying transaction: done
Executing transaction: done
(torchreid) Kaleighs-MacBook-Pro-2:deep-person-reid-master kaleighhara$ python setup.py develop
```

/Users/kaleighhara/Desktop/Thesis/REPO/AnonymizePeople/deep-person-reid-master/torchreid/metrics/rank.py:12: UserWarning: Cython evaluation (very fast so highly recommended) is unavailable, now use python evaluation.
'Cython evaluation (very fast so highly recommended) is '

Compiling torchreid/metrics/rank_cylib/rank_cy.pyx because it changed.

[1/1] Cythonizing torchreid/metrics/rank_cylib/rank_cy.pyx

/Users/kaleighhara/anaconda3/envs/torchreid/lib/python3.7/site-packages/Cython/Compiler/Main.py:369: FutureWarning: Cython directive 'language_level' not set, using 2 for now (Py2). This will change in a later release! File

: /Users/kaleighhara/Desktop/Thesis/REPO/AnonymizePeople/deep-person-reid-master/torchreid/metrics/rank_cylib/rank_cy.pyx

tree = Parsing.p_module(s, pxd, full_module_name)

running develop

running egg_info

creating torchreid.egg-info

error: could not create 'torchreid.egg-info': Permission denied

(torchreid) Kaleighs-MacBook-Pro-2:deep-person-reid-master kaleighhara\$

(torchreid) Kaleighs-MacBook-Pro-2:deep-person-reid-master kaleighhara\$

(torchreid) Kaleighs-MacBook-Pro-2:deep-person-reid-master kaleighhara\$

(torchreid) Kaleighs-MacBook-Pro-2:deep-person-reid-master kaleighhara\$

(torchreid) Kaleighs-MacBook-Pro-2:deep-person-reid-master kaleighhara\$ python crop_images --image_dir 'datasets/images_similar'

python: can't open file 'crop_images': [Errno 2] No such file or directory

(torchreid) Kaleighs-MacBook-Pro-2:deep-person-reid-master kaleighhara\$ python crop_images.py --image_dir 'datasets/images_similar'

img_size (256, 256)

cropped_torch.Size([1, 3, 255, 128])

cropped_torch.Size([1, 3, 256, 128])

(torchreid) Kaleighs-MacBook-Pro-2:deep-person-reid-master kaleighhara\$ python compare_features.py --image_dir 'datasets/images_similar/cropped'

^C

Traceback (most recent call last):

File "<frozen importlib._bootstrap_external>", line 973, in set_data

PermissionError: [Errno 13] Permission denied: '/Users/kaleighhara/Desktop/Thesis/REPO/AnonymizePeople/deep-person-reid-master/torchreid/utlis/__pycache__'

During handling of the above exception, another exception occurred:

Traceback (most recent call last):

File "compare_features.py", line 1, in <module>

from torchreid.utlis import FeatureExtractor

File "/Users/kaleighhara/Desktop/Thesis/REPO/AnonymizePeople/deep-person-reid-master/torchreid/__init__.py", line 3, in <module>

from torchreid import data, optim, utlis, engine, losses, models, metrics

File "/Users/kaleighhara/Desktop/Thesis/REPO/AnonymizePeople/deep-person-reid-master/torchreid/data/__init__.py", line 3, in <module>

from .datasets import (

File "/Users/kaleighhara/Desktop/Thesis/REPO/AnonymizePeople/deep-person-reid-master/torchreid/data/datasets/__init__.py", line 3, in <module>

from .image import (

File "/Users/kaleighhara/Desktop/Thesis/REPO/AnonymizePeople/deep-person-reid-master/torchreid/data/datasets/image/__init__.py", line 3, in <module>

from .grid import GRID

File "/Users/kaleighhara/Desktop/Thesis/REPO/AnonymizePeople/deep-person-reid-master/torchreid/data/datasets/image/grid.py", line 6, in <module>

from torchreid.utlis import read_json, write_json

File "/Users/kaleighhara/Desktop/Thesis/REPO/AnonymizePeople/deep-person-reid-master/torchreid/utlis/__init__.py", line 4, in <module>

from .rerank import re_ranking

File "<frozen importlib._bootstrap>", line 983, in _find_and_load

File "<frozen importlib._bootstrap>", line 967, in _find_and_load_unlocked

File "<frozen importlib._bootstrap>", line 677, in _load_unlocked

File "<frozen importlib._bootstrap_external>", line 724, in exec_module

File "<frozen importlib._bootstrap_external>", line 872, in get_code

File "<frozen importlib._bootstrap_external>", line 959, in _cache_bytecode

File "<frozen importlib._bootstrap_external>", line 973, in set_data

KeyboardInterrupt

(torchreid) Kaleighs-MacBook-Pro-2:deep-person-reid-master kaleighhara\$

(torchreid) Kaleighs-MacBook-Pro-2:deep-person-reid-master kaleighhara\$ sudo python compare_features.py --image_dir 'datasets/images_similar/cropped'

Password:

/Users/kaleighhara/Desktop/Thesis/REPO/AnonymizePeople/deep-person-reid-master/torchreid/metrics/rank.py:12: UserWarning: Cython evaluation (very fast so highly recommended) is unavailable, now use python evaluation.

'Cython evaluation (very fast so highly recommended) is '

image_files ['datasets/images_similar/cropped/aachen_000082_000019_3.png', 'datasets/images_similar/cropped/aachen_000082_000019_4.png']

Downloading...

From: https://drive.google.com/uc?id=1-CaId9NaqBHK_kzSM8VE4_3KcsRjEo

To: /Users/kaleighhara/.cache/torch/checkpoints/osnet_ain_x1_0_imagenet.pth

10.9MB [00:00, 21.2MB/s]

Successfully loaded imagenet pretrained weights from "/Users/kaleighhara/.cache/torch/checkpoints/osnet_ain_x1_0_imagenet.pth"

** The following layers are discarded due to unmatched keys or layer size: ['classifier.weight', 'classifier.bias']

/Users/kaleighhara/anaconda3/envs/torchreid/lib/python3.7/site-packages/torch/nn/functional.py:718: UserWarning: Named tensors and all their associated APIs are an experimental feature and subject to change. Please do not u

se them for anything important until they are released as stable. (Triggered internally at /Users/distiller/project/conda/conda-bld/pytorch_1623459064158/work/c10/core/TensorImpl.h:1156.)

return torch.max_pool2d(input, kernel_size, stride, padding, dilation, ceil_mode)

Model: osnet_ain_x1_0

- params: 2,193,616

- flops: 978,878,352

Successfully loaded pretrained weights from "weights/osnet_ain_x1_0_imagenet.pth"

** The following layers are discarded due to unmatched keys or layer size: ['classifier.weight', 'classifier.bias']

torch.Size([2, 512])

Traceback (most recent call last):

File "compare_features.py", line 62, in <module>

main()

File "compare_features.py", line 57, in main

distanat = metrics.compute_distance_matrix(input1, input2, metric='cosine')

File "/Users/kaleighhara/Desktop/Thesis/REPO/AnonymizePeople/deep-person-reid-master/torchreid/metrics/distance.py", line 29, in compute_distance_matrix

input1.dim()

AssertionError: Expected 2-D tensor, but got 1-D

(torchreid) Kaleighs-MacBook-Pro-2:deep-person-reid-master kaleighhara\$ sudo python compare_features.py --image_dir 'datasets/images_similar/cropped'

Password:

/Users/kaleighhara/Desktop/Thesis/REPO/AnonymizePeople/deep-person-reid-master/torchreid/metrics/rank.py:12: UserWarning: Cython evaluation (very fast so highly recommended) is unavailable, now use python evaluation.

'Cython evaluation (very fast so highly recommended) is '

image_files ['datasets/images_similar/cropped/aachen_000082_000019_3.png', 'datasets/images_similar/cropped/aachen_000082_000019_4.png']

Successfully loaded imagenet pretrained weights from "/Users/kaleighhara/.cache/torch/checkpoints/osnet_ain_x1_0_imagenet.pth"

** The following layers are discarded due to unmatched keys or layer size: ['classifier.weight', 'classifier.bias']

/Users/kaleighhara/anaconda3/envs/torchreid/lib/python3.7/site-packages/torch/nn/functional.py:718: UserWarning: Named tensors and all their associated APIs are an experimental feature and subject to change. Please do not u

se them for anything important until they are released as stable. (Triggered internally at /Users/distiller/project/conda/conda-bld/pytorch_1623459064158/work/c10/core/TensorImpl.h:1156.)

return torch.max_pool2d(input, kernel_size, stride, padding, dilation, ceil_mode)

Model: osnet_ain_x1_0

- params: 2,193,616

- flops: 978,878,352

Successfully loaded pretrained weights from "weights/osnet_ain_x1_0_imagenet.pth"

** The following layers are discarded due to unmatched keys or layer size: ['classifier.weight', 'classifier.bias']

torch.Size([2, 512])

torch.Size([1, 512])

torch.Size([1, 512])

Cosine Similarity: tensor([[[0.8514]])

(torchreid) Kaleighs-MacBook-Pro-2:deep-person-reid-master kaleighhara\$ sudo python compare_features.py --image_dir 'datasets/images_similar/cropped'

Password:

/Users/kaleighhara/Desktop/Thesis/REPO/AnonymizePeople/deep-person-reid-master/torchreid/metrics/rank.py:12: UserWarning: Cython evaluation (very fast so highly recommended) is unavailable, now use python evaluation.

'Cython evaluation (very fast so highly recommended) is '

image_files ['datasets/images_similar/cropped/aachen_000082_000019_3.png', 'datasets/images_similar/cropped/aachen_000082_000019_4.png']

Successfully loaded imagenet pretrained weights from "/Users/kaleighhara/.cache/torch/checkpoints/osnet_ain_x1_0_imagenet.pth"

** The following layers are discarded due to unmatched keys or layer size: ['classifier.weight', 'classifier.bias']

/Users/kaleighhara/anaconda3/envs/torchreid/lib/python3.7/site-packages/torch/nn/functional.py:718: UserWarning: Named tensors and all their associated APIs are an experimental feature and subject to change. Please do not u

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return torch.max_pool2d(input, kernel_size, stride, padding, dilation, ceil_mode)

Model: osnet_ain_x1_0

- params: 2,193,616

- flops: 978,878,352

Successfully loaded pretrained weights from "weights/osnet_ain_x1_0_imagenet.pth"

** The following layers are discarded due to unmatched keys or layer size: ['classifier.weight', 'classifier.bias']

torch.Size([2, 512])

torch.Size([1, 512])

torch.Size([1, 512])

Cosine Similarity: tensor([[[4.1723e-07]])

(torchreid) Kaleighs-MacBook-Pro-2:deep-person-reid-master kaleighhara\$ sudo python compare_features.py --image_dir 'datasets/images_similar/cropped'

/Users/kaleighhara/Desktop/Thesis/REPO/AnonymizePeople/deep-person-reid-master/torchreid/metrics/rank.py:12: UserWarning: Cython evaluation (very fast so highly recommended) is unavailable, now use python evaluation.

```
'Cython evaluation (very fast so highly recommended) is '
image_files ['datasets/images_similar/cropped/aachen_000082_000019_3.png', 'datasets/images_similar/cropped/aachen_000082_000019_3.png']
Successfully loaded imagenet pretrained weights from "/Users/kaleighohara/.cache/torch/checkpoints/osnet_ain_x1_0_imagenet.pth"
** The following layers are discarded due to unmatched keys or layer size: ['classifier.weight', 'classifier.bias']
/Users/kaleighohara/anaconda3/envs/torchreid/lib/python3.7/site-packages/torch/nn/functional.py:718: UserWarning: Named tensors and all their associated APIs are an experimental feature and subject to change. Please do not use them for anything important until they are released as stable. (Triggered internally at /Users/distiller/project/conda/conda-bld/pytorch_1623459064158/work/c10/core/TensorImpl.h:1156.)
    return torch.max_pool2d(input, kernel_size, stride, padding, dilation, ceil_mode)
Model: osnet_ain_x1_0
- params: 2,193,616
- flops: 978,878,352
Successfully loaded pretrained weights from "weights/osnet_ain_x1_0_imagenet.pth"
** The following layers are discarded due to unmatched keys or layer size: ['classifier.weight', 'classifier.bias']
torch.Size([2, 512])
torch.Size([1, 512])
torch.Size([1, 512])
Cosine Similarity: tensor([[[4.1723e-07]])
Euclidean Distance: tensor([[-0.0001]])
(torchreid) Kaleighs-MacBook-Pro-2:deep-person-reid-master kaleighohara$ sudo python compare_features.py --image_dir 'datasets/images_similar/cropped'
/Users/kaleighohara/Desktop/Thesis/REPO/AnonymizePeople/deep-person-reid-master/torchreid/metrics/rank.py:12: UserWarning: Cython evaluation (very fast so highly recommended) is unavailable, now use python evaluation.
    'Cython evaluation (very fast so highly recommended) is '
image_files ['datasets/images_similar/cropped/aachen_000082_000019_3.png', 'datasets/images_similar/cropped/aachen_000082_000019_3.png']
Successfully loaded imagenet pretrained weights from "/Users/kaleighohara/.cache/torch/checkpoints/osnet_ain_x1_0_imagenet.pth"
** The following layers are discarded due to unmatched keys or layer size: ['classifier.weight', 'classifier.bias']
/Users/kaleighohara/anaconda3/envs/torchreid/lib/python3.7/site-packages/torch/nn/functional.py:718: UserWarning: Named tensors and all their associated APIs are an experimental feature and subject to change. Please do not use them for anything important until they are released as stable. (Triggered internally at /Users/distiller/project/conda/conda-bld/pytorch_1623459064158/work/c10/core/TensorImpl.h:1156.)
    return torch.max_pool2d(input, kernel_size, stride, padding, dilation, ceil_mode)
Model: osnet_ain_x1_0
- params: 2,193,616
- flops: 978,878,352
Successfully loaded pretrained weights from "weights/osnet_ain_x1_0_imagenet.pth"
** The following layers are discarded due to unmatched keys or layer size: ['classifier.weight', 'classifier.bias']
torch.Size([2, 512])
torch.Size([1, 512])
torch.Size([1, 512])
Traceback (most recent call last):
  File "compare_features.py", line 66, in <module>
    main()
  File "compare_features.py", line 60, in main
    print('Cosine Similarity:', round(dismat, 4))
TypeError: type Tensor doesn't define __round__ method
(torchreid) Kaleighs-MacBook-Pro-2:deep-person-reid-master kaleighohara$ sudo python compare_features.py --image_dir 'datasets/images_similar/cropped'
/Users/kaleighohara/Desktop/Thesis/REPO/AnonymizePeople/deep-person-reid-master/torchreid/metrics/rank.py:12: UserWarning: Cython evaluation (very fast so highly recommended) is unavailable, now use python evaluation.
    'Cython evaluation (very fast so highly recommended) is '
image_files ['datasets/images_similar/cropped/aachen_000082_000019_3.png', 'datasets/images_similar/cropped/aachen_000082_000019_3.png']
Successfully loaded imagenet pretrained weights from "/Users/kaleighohara/.cache/torch/checkpoints/osnet_ain_x1_0_imagenet.pth"
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/Users/kaleighohara/anaconda3/envs/torchreid/lib/python3.7/site-packages/torch/nn/functional.py:718: UserWarning: Named tensors and all their associated APIs are an experimental feature and subject to change. Please do not use them for anything important until they are released as stable. (Triggered internally at /Users/distiller/project/conda/conda-bld/pytorch_1623459064158/work/c10/core/TensorImpl.h:1156.)
    return torch.max_pool2d(input, kernel_size, stride, padding, dilation, ceil_mode)
Model: osnet_ain_x1_0
- params: 2,193,616
- flops: 978,878,352
Successfully loaded pretrained weights from "weights/osnet_ain_x1_0_imagenet.pth"
** The following layers are discarded due to unmatched keys or layer size: ['classifier.weight', 'classifier.bias']
torch.Size([2, 512])
torch.Size([1, 512])
torch.Size([1, 512])
Cosine Similarity: 0.0
Euclidean Distance: -0.0001
(torchreid) Kaleighs-MacBook-Pro-2:deep-person-reid-master kaleighohara$ sudo python compare_features.py --image_dir 'datasets/images_similar/cropped'
/Users/kaleighohara/Desktop/Thesis/REPO/AnonymizePeople/deep-person-reid-master/torchreid/metrics/rank.py:12: UserWarning: Cython evaluation (very fast so highly recommended) is unavailable, now use python evaluation.
    'Cython evaluation (very fast so highly recommended) is '
image_files ['datasets/images_similar/cropped/aachen_000082_000019_3.png', 'datasets/images_similar/cropped/aachen_000082_000019_3.png', 'datasets/images_similar/cropped/aachen_000082_000019_4.png']
Successfully loaded imagenet pretrained weights from "/Users/kaleighohara/.cache/torch/checkpoints/osnet_ain_x1_0_imagenet.pth"
** The following layers are discarded due to unmatched keys or layer size: ['classifier.weight', 'classifier.bias']
/Users/kaleighohara/anaconda3/envs/torchreid/lib/python3.7/site-packages/torch/nn/functional.py:718: UserWarning: Named tensors and all their associated APIs are an experimental feature and subject to change. Please do not use them for anything important until they are released as stable. (Triggered internally at /Users/distiller/project/conda/conda-bld/pytorch_1623459064158/work/c10/core/TensorImpl.h:1156.)
    return torch.max_pool2d(input, kernel_size, stride, padding, dilation, ceil_mode)
Model: osnet_ain_x1_0
- params: 2,193,616
- flops: 978,878,352
Successfully loaded pretrained weights from "weights/osnet_ain_x1_0_imagenet.pth"
** The following layers are discarded due to unmatched keys or layer size: ['classifier.weight', 'classifier.bias']
torch.Size([3, 512])
torch.Size([1, 512])
torch.Size([1, 512])
Cosine Similarity: 0.0
Euclidean Distance: 0.0
(torchreid) Kaleighs-MacBook-Pro-2:deep-person-reid-master kaleighohara$ sudo python compare_features.py --image_dir 'datasets/images_similar/cropped'
/Users/kaleighohara/Desktop/Thesis/REPO/AnonymizePeople/deep-person-reid-master/torchreid/metrics/rank.py:12: UserWarning: Cython evaluation (very fast so highly recommended) is unavailable, now use python evaluation.
    'Cython evaluation (very fast so highly recommended) is '
image_files ['datasets/images_similar/cropped/aachen_000082_000019_3.png', 'datasets/images_similar/cropped/aachen_000082_000019_3.png', 'datasets/images_similar/cropped/aachen_000082_000019_4.png']
Successfully loaded imagenet pretrained weights from "/Users/kaleighohara/.cache/torch/checkpoints/osnet_ain_x1_0_imagenet.pth"
** The following layers are discarded due to unmatched keys or layer size: ['classifier.weight', 'classifier.bias']
/Users/kaleighohara/anaconda3/envs/torchreid/lib/python3.7/site-packages/torch/nn/functional.py:718: UserWarning: Named tensors and all their associated APIs are an experimental feature and subject to change. Please do not use them for anything important until they are released as stable. (Triggered internally at /Users/distiller/project/conda/conda-bld/pytorch_1623459064158/work/c10/core/TensorImpl.h:1156.)
    return torch.max_pool2d(input, kernel_size, stride, padding, dilation, ceil_mode)
Model: osnet_ain_x1_0
- params: 2,193,616
- flops: 978,878,352
Successfully loaded pretrained weights from "weights/osnet_ain_x1_0_imagenet.pth"
** The following layers are discarded due to unmatched keys or layer size: ['classifier.weight', 'classifier.bias']
torch.Size([2, 512])
torch.Size([1, 512])
torch.Size([1, 512])
Cosine Similarity: 0.0514
Euclidean Distance: 67.8331
(torchreid) Kaleighs-MacBook-Pro-2:deep-person-reid-master kaleighohara$ python crop_images.py --image_dir 'datasets/images_different'
img_size (256, 256)
cropped torch.Size([1, 3, 255, 128])
cropped torch.Size([1, 3, 255, 128])
(torchreid) Kaleighs-MacBook-Pro-2:deep-person-reid-master kaleighohara$ sudo python compare_features.py --image_dir 'datasets/images_different/cropped'
/Users/kaleighohara/Desktop/Thesis/REPO/AnonymizePeople/deep-person-reid-master/torchreid/metrics/rank.py:12: UserWarning: Cython evaluation (very fast so highly recommended) is unavailable, now use python evaluation.
    'Cython evaluation (very fast so highly recommended) is '
image_files ['datasets/images_different/cropped/zurich_000076_000019_0.png', 'datasets/images_different/cropped/zurich_000106_000019_3.png']
Successfully loaded imagenet pretrained weights from "/Users/kaleighohara/.cache/torch/checkpoints/osnet_ain_x1_0_imagenet.pth"
** The following layers are discarded due to unmatched keys or layer size: ['classifier.weight', 'classifier.bias']
/Users/kaleighohara/anaconda3/envs/torchreid/lib/python3.7/site-packages/torch/nn/functional.py:718: UserWarning: Named tensors and all their associated APIs are an experimental feature and subject to change. Please do not use them for anything important until they are released as stable. (Triggered internally at /Users/distiller/project/conda/conda-bld/pytorch_1623459064158/work/c10/core/TensorImpl.h:1156.)
    return torch.max_pool2d(input, kernel_size, stride, padding, dilation, ceil_mode)
Model: osnet_ain_x1_0
- params: 2,193,616
- flops: 978,878,352
Successfully loaded pretrained weights from "weights/osnet_ain_x1_0_imagenet.pth"
** The following layers are discarded due to unmatched keys or layer size: ['classifier.weight', 'classifier.bias']
torch.Size([2, 512])
torch.Size([1, 512])
torch.Size([1, 512])
Cosine Similarity: 0.3487
Euclidean Distance: 565.6279
(torchreid) Kaleighs-MacBook-Pro-2:deep-person-reid-master kaleighohara$ python crop_images.py --image_dir 'datasets/images_mode_collapse'
img_size (128, 128)
bbox scale: 2
bbox scale: 2
cropped torch.Size([1, 3, 64, 128])
cropped torch.Size([1, 3, 64, 128])
(torchreid) Kaleighs-MacBook-Pro-2:deep-person-reid-master kaleighohara$ sudo python compare_features.py --image_dir 'datasets/images_mode_collapse/cropped'
/Users/kaleighohara/Desktop/Thesis/REPO/AnonymizePeople/deep-person-reid-master/torchreid/metrics/rank.py:12: UserWarning: Cython evaluation (very fast so highly recommended) is unavailable, now use python evaluation.
    'Cython evaluation (very fast so highly recommended) is '
image_files ['datasets/images_mode_collapse/cropped/aachen_000000_006484_0.png', 'datasets/images_mode_collapse/cropped/aachen_000024_000019_2.png']
Successfully loaded imagenet pretrained weights from "/Users/kaleighohara/.cache/torch/checkpoints/osnet_ain_x1_0_imagenet.pth"
** The following layers are discarded due to unmatched keys or layer size: ['classifier.weight', 'classifier.bias']
/Users/kaleighohara/anaconda3/envs/torchreid/lib/python3.7/site-packages/torch/nn/functional.py:718: UserWarning: Named tensors and all their associated APIs are an experimental feature and subject to change. Please do not use them for anything important until they are released as stable. (Triggered internally at /Users/distiller/project/conda/conda-bld/pytorch_1623459064158/work/c10/core/TensorImpl.h:1156.)
    return torch.max_pool2d(input, kernel_size, stride, padding, dilation, ceil_mode)
Model: osnet_ain_x1_0
- params: 2,193,616
- flops: 978,878,352
Successfully loaded pretrained weights from "weights/osnet_ain_x1_0_imagenet.pth"
** The following layers are discarded due to unmatched keys or layer size: ['classifier.weight', 'classifier.bias']
```

```
torch.Size([2, 512])
torch.Size([1, 512])
torch.Size([1, 512])
Cosine Distance: 0.2172
Euclidean Distance: 279.6671
(torchchreid) Kaleighs-MacBook-Pro-2:deep-person-reid-master kaleighohara$ python crop_images.py --image_dir 'datasets/images_similar_background'
img_size (256, 256)
cropped torch.Size([1, 3, 255, 128])
cropped torch.Size([1, 3, 256, 128])
(torchchreid) Kaleighs-MacBook-Pro-2:deep-person-reid-master kaleighohara$ sudo python compare_features.py --image_dir 'datasets/images_similar_background/cropped'
/Users/kaleighohara/Desktop/Thesis/REPO/AnonymizePeople/deep-person-reid-master/torchreid/metrics/rank.py:12: UserWarning: Cython evaluation (very fast so highly recommended) is unavailable, now use python evaluation.
  'Cython evaluation (very fast so highly recommended) is '
image_files ['datasets/images_similar_background/cropped/aachen_000154_000019_0.png', 'datasets/images_similar_background/cropped/aachen_000154_000019_1.png']
Successfully loaded imagenet pretrained weights from "/Users/kaleighohara/.cache/torch/checkpoints/osnet_ain_x1_0_imagenet.pth"
** The following layers are discarded due to unmatched keys or layer size: ['classifier.weight', 'classifier.bias']
/Users/kaleighohara/anaconda3/envs/torchreid/lib/python3.7/site-packages/torch/nn/functional.py:718: UserWarning: Named tensors and all their associated APIs are an experimental feature and subject to change. Please do not u
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  return torch.max_pool2d(input, kernel_size, stride, padding, dilation, ceil_mode)
Model: osnet_ain_x1_0
- params: 2,193,616
- flops: 978,878,352
Successfully loaded pretrained weights from "weights/osnet_ain_x1_0_imagenet.pth"
** The following layers are discarded due to unmatched keys or layer size: ['classifier.weight', 'classifier.bias']
torch.Size([2, 512])
torch.Size([1, 512])
torch.Size([1, 512])
Cosine Distance: 0.1075
Euclidean Distance: 126.6912
(torchchreid) Kaleighs-MacBook-Pro-2:deep-person-reid-master kaleighohara$ python crop_images.py --image_dir 'datasets/images_mode_collapse'
img_size (128, 128)
cropped torch.Size([1, 3, 256, 128])
cropped torch.Size([1, 3, 255, 128])
(torchchreid) Kaleighs-MacBook-Pro-2:deep-person-reid-master kaleighohara$ python crop_images.py --image_dir 'datasets/images_mode_collapse'
img_size (128, 128)
cropped torch.Size([1, 3, 256, 128])
cropped torch.Size([1, 3, 256, 128])
(torchchreid) Kaleighs-MacBook-Pro-2:deep-person-reid-master kaleighohara$ sudo python compare_features.py --image_dir 'datasets/images_mode_collapse/cropped'
Password:
/Users/kaleighohara/Desktop/Thesis/REPO/AnonymizePeople/deep-person-reid-master/torchreid/metrics/rank.py:12: UserWarning: Cython evaluation (very fast so highly recommended) is unavailable, now use python evaluation.
  'Cython evaluation (very fast so highly recommended) is '
image_files ['datasets/images_mode_collapse/cropped/bachum_000000_006484_0.png', 'datasets/images_mode_collapse/cropped/aachen_000024_000019_2.png']
Successfully loaded imagenet pretrained weights from "/Users/kaleighohara/.cache/torch/checkpoints/osnet_ain_x1_0_imagenet.pth"
** The following layers are discarded due to unmatched keys or layer size: ['classifier.weight', 'classifier.bias']
/Users/kaleighohara/anaconda3/envs/torchreid/lib/python3.7/site-packages/torch/nn/functional.py:718: UserWarning: Named tensors and all their associated APIs are an experimental feature and subject to change. Please do not u
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  return torch.max_pool2d(input, kernel_size, stride, padding, dilation, ceil_mode)
Model: osnet_ain_x1_0
- params: 2,193,616
- flops: 978,878,352
Successfully loaded pretrained weights from "weights/osnet_ain_x1_0_imagenet.pth"
** The following layers are discarded due to unmatched keys or layer size: ['classifier.weight', 'classifier.bias']
torch.Size([2, 512])
torch.Size([1, 512])
torch.Size([1, 512])
Cosine Distance: 0.2008
Euclidean Distance: 289.0139
(torchchreid) Kaleighs-MacBook-Pro-2:deep-person-reid-master kaleighohara$ python crop_images.py --image_dir 'datasets/images_similar_background'
img_size (256, 256)
cropped torch.Size([1, 3, 256, 128])
cropped torch.Size([1, 3, 256, 128])
(torchchreid) Kaleighs-MacBook-Pro-2:deep-person-reid-master kaleighohara$ python crop_images.py --image_dir 'datasets/images_different'
img_size (256, 256)
cropped torch.Size([1, 3, 256, 128])
cropped torch.Size([1, 3, 256, 128])
(torchchreid) Kaleighs-MacBook-Pro-2:deep-person-reid-master kaleighohara$ python crop_images.py --image_dir 'datasets/images_similar'
img_size (128, 255)
Traceback (most recent call last):
  File "crop_images.py", line 187, in <module>
    main()
  File "crop_images.py", line 169, in main
    img_cropped = crop_person(img, bbox_centers[img_name])
KeyError: 'z_aachen_000082_000019_3_'
(torchchreid) Kaleighs-MacBook-Pro-2:deep-person-reid-master kaleighohara$ python crop_images.py --image_dir 'datasets/images_similar'
img_size (256, 256)
cropped torch.Size([1, 3, 256, 128])
cropped torch.Size([1, 3, 256, 128])
(torchchreid) Kaleighs-MacBook-Pro-2:deep-person-reid-master kaleighohara$ python compare_features.py --image_dir 'datasets/images_similar/cropped'
/Users/kaleighohara/Desktop/Thesis/REPO/AnonymizePeople/deep-person-reid-master/torchreid/metrics/rank.py:12: UserWarning: Cython evaluation (very fast so highly recommended) is unavailable, now use python evaluation.
  'Cython evaluation (very fast so highly recommended) is '
image_files ['datasets/images_similar/cropped/aachen_000082_000019_3.png', 'datasets/images_similar/cropped/aachen_000082_000019_4.png']
Successfully loaded imagenet pretrained weights from "/Users/kaleighohara/.cache/torch/checkpoints/osnet_ain_x1_0_imagenet.pth"
** The following layers are discarded due to unmatched keys or layer size: ['classifier.weight', 'classifier.bias']
/Users/kaleighohara/anaconda3/envs/torchreid/lib/python3.7/site-packages/torch/nn/functional.py:718: UserWarning: Named tensors and all their associated APIs are an experimental feature and subject to change. Please do not u
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  return torch.max_pool2d(input, kernel_size, stride, padding, dilation, ceil_mode)
Model: osnet_ain_x1_0
- params: 2,193,616
- flops: 978,878,352
Successfully loaded pretrained weights from "weights/osnet_ain_x1_0_imagenet.pth"
** The following layers are discarded due to unmatched keys or layer size: ['classifier.weight', 'classifier.bias']
torch.Size([2, 512])
torch.Size([1, 512])
torch.Size([1, 512])
Cosine Distance: 0.0509
Euclidean Distance: 70.6261
(torchchreid) Kaleighs-MacBook-Pro-2:deep-person-reid-master kaleighohara$ python compare_features.py --image_dir 'datasets/images_similar_background/cropped'
/Users/kaleighohara/Desktop/Thesis/REPO/AnonymizePeople/deep-person-reid-master/torchreid/metrics/rank.py:12: UserWarning: Cython evaluation (very fast so highly recommended) is unavailable, now use python evaluation.
  'Cython evaluation (very fast so highly recommended) is '
image_files ['datasets/images_similar/cropped/aachen_000154_000019_0.png', 'datasets/images_similar/cropped/aachen_000154_000019_1.png']
Successfully loaded imagenet pretrained weights from "/Users/kaleighohara/.cache/torch/checkpoints/osnet_ain_x1_0_imagenet.pth"
** The following layers are discarded due to unmatched keys or layer size: ['classifier.weight', 'classifier.bias']
/Users/kaleighohara/anaconda3/envs/torchreid/lib/python3.7/site-packages/torch/nn/functional.py:718: UserWarning: Named tensors and all their associated APIs are an experimental feature and subject to change. Please do not u
se them for anything important until they are released as stable. (Triggered internally at /Users/distiller/project/conda/conda-bld/pytorch.1623459064158/work/c10/core/TensorImpl.h:1156.)
  return torch.max_pool2d(input, kernel_size, stride, padding, dilation, ceil_mode)
Model: osnet_ain_x1_0
- params: 2,193,616
- flops: 978,878,352
Successfully loaded pretrained weights from "weights/osnet_ain_x1_0_imagenet.pth"
** The following layers are discarded due to unmatched keys or layer size: ['classifier.weight', 'classifier.bias']
torch.Size([2, 512])
torch.Size([1, 512])
torch.Size([1, 512])
Cosine Distance: 0.1069
Euclidean Distance: 126.6409
(torchchreid) Kaleighs-MacBook-Pro-2:deep-person-reid-master kaleighohara$ python compare_features.py --image_dir 'datasets/images_similar/cropped'
/Users/kaleighohara/Desktop/Thesis/REPO/AnonymizePeople/deep-person-reid-master/torchreid/metrics/rank.py:12: UserWarning: Cython evaluation (very fast so highly recommended) is unavailable, now use python evaluation.
  'Cython evaluation (very fast so highly recommended) is '
image_files ['datasets/images_similar/cropped/aachen_000082_000019_3.png', 'datasets/images_similar/cropped/aachen_000082_000019_4.png']
Successfully loaded imagenet pretrained weights from "/Users/kaleighohara/.cache/torch/checkpoints/osnet_ain_x1_0_imagenet.pth"
** The following layers are discarded due to unmatched keys or layer size: ['classifier.weight', 'classifier.bias']
/Users/kaleighohara/anaconda3/envs/torchreid/lib/python3.7/site-packages/torch/nn/functional.py:718: UserWarning: Named tensors and all their associated APIs are an experimental feature and subject to change. Please do not u
se them for anything important until they are released as stable. (Triggered internally at /Users/distiller/project/conda/conda-bld/pytorch.1623459064158/work/c10/core/TensorImpl.h:1156.)
  return torch.max_pool2d(input, kernel_size, stride, padding, dilation, ceil_mode)
Model: osnet_ain_x1_0
- params: 2,193,616
- flops: 978,878,352
/Users/kaleighohara/Desktop/Thesis/REPO/AnonymizePeople/deep-person-reid-master/torchreid/utils/tools.py:43: UserWarning: No file found at "osnet_ain_x1_0_dukemtcreid_256x128_amsgrad_ep90_lr0.0015_coslr_b64_fb10_softmax_lab
smth_flip_jitter.pth"
  warnings.warn("No file found at {}".format(fpath))
torch.Size([2, 512])
torch.Size([1, 512])
torch.Size([1, 512])
Cosine Distance: 0.0509
Euclidean Distance: 70.6261
(torchchreid) Kaleighs-MacBook-Pro-2:deep-person-reid-master kaleighohara$ python compare_features.py --image_dir 'datasets/images_similar_background/cropped'
/Users/kaleighohara/Desktop/Thesis/REPO/AnonymizePeople/deep-person-reid-master/torchreid/metrics/rank.py:12: UserWarning: Cython evaluation (very fast so highly recommended) is unavailable, now use python evaluation.
  'Cython evaluation (very fast so highly recommended) is '
image_files ['datasets/images_similar/cropped/aachen_000154_000019_0.png', 'datasets/images_similar/cropped/aachen_000154_000019_1.png']
Successfully loaded imagenet pretrained weights from "/Users/kaleighohara/.cache/torch/checkpoints/osnet_ain_x1_0_imagenet.pth"
** The following layers are discarded due to unmatched keys or layer size: ['classifier.weight', 'classifier.bias']
```

```
/Users/kaleighahara/anaconda3/envs/torchreid/lib/python3.7/site-packages/torch/nn/functional.py:718: UserWarning: Named tensors and all their associated APIs are an experimental feature and subject to change. Please do not use them for anything important until they are released as stable. (Triggered internally at /Users/distiller/project/conda/conda-bld/pytorch_1623459064158/work/c10/core/TensorImpl.h:1156.)
    return torch.max_pool2d(input, kernel_size, stride, padding, dilation, ceil_mode)
Model: osnet_ain_x1_0
- params: 2,193,616
- flops: 978,878,352
/Users/kaleighahara/Desktop/Thesis/REPO/AnonymizePeople/deep-person-reid-master/torchreid/utils/tools.py:43: UserWarning: No file found at "osnet_ain_x1_0_dukemtmcreid_256x128_omsgrad_ep90_lr0.0015_coslr_b64_fb10_softmax_labsmth_flip_jitter.pth"
  warnings.warn("No file found at {}".format(fpath))
torch.Size([2, 512])
torch.Size([1, 512])
torch.Size([1, 512])
Cosine Distance: 0.1069
Euclidean Distance: 126.6409
(torchreid) Kaleighs-MacBook-Pro-2:deep-person-reid-master kaleighahara$ python compare_features.py --image_dir 'datasets/images_similar/_cropped'
/Users/kaleighahara/Desktop/Thesis/REPO/AnonymizePeople/deep-person-reid-master/torchreid/metrics/rank.py:12: UserWarning: Cython evaluation (very fast so highly recommended) is unavailable, now use python evaluation.
  'Cython evaluation (very fast so highly recommended) is '
image_files []
Successfully loaded imagenet pretrained weights from "/Users/kaleighahara/.cache/torch/checkpoints/osnet_ain_x1_0_imagenet.pth"
** The following layers are discarded due to unmatched keys or layer size: ['classifier.weight', 'classifier.bias']
/Users/kaleighahara/anaconda3/envs/torchreid/lib/python3.7/site-packages/torch/nn/functional.py:718: UserWarning: Named tensors and all their associated APIs are an experimental feature and subject to change. Please do not use them for anything important until they are released as stable. (Triggered internally at /Users/distiller/project/conda/conda-bld/pytorch_1623459064158/work/c10/core/TensorImpl.h:1156.)
    return torch.max_pool2d(input, kernel_size, stride, padding, dilation, ceil_mode)
Model: osnet_ain_x1_0
- params: 2,193,616
- flops: 978,878,352
Successfully loaded pretrained weights from "weights/osnet_ain_x1_0_dukemtmcreid_256x128_omsgrad_ep90_lr0.0015_coslr_b64_fb10_softmax_labsmth_flip_jitter.pth"
** The following layers are discarded due to unmatched keys or layer size: ['classifier.weight', 'classifier.bias']
Traceback (most recent call last):
  File "compare_features.py", line 67, in <module>
    main()
  File "compare_features.py", line 49, in main
    features = extractor(image_files)
  File "/Users/kaleighahara/Desktop/Thesis/REPO/AnonymizePeople/deep-person-reid-master/torchreid/utils/feature_extractor.py", line 128, in __call__
    images = torch.stack(images, dim=0)
RuntimeError: stack expects a non-empty TensorList
(torchreid) Kaleighs-MacBook-Pro-2:deep-person-reid-master kaleighahara$ python compare_features.py --image_dir 'datasets/images_similar/_cropped'
/Users/kaleighahara/Desktop/Thesis/REPO/AnonymizePeople/deep-person-reid-master/torchreid/metrics/rank.py:12: UserWarning: Cython evaluation (very fast so highly recommended) is unavailable, now use python evaluation.
  'Cython evaluation (very fast so highly recommended) is '
image_files ['datasets/images_similar/_cropped/aachen_000082_000019_3.png', 'datasets/images_similar/_cropped/aachen_000082_000019_4.png']
Successfully loaded imagenet pretrained weights from "/Users/kaleighahara/.cache/torch/checkpoints/osnet_ain_x1_0_imagenet.pth"
** The following layers are discarded due to unmatched keys or layer size: ['classifier.weight', 'classifier.bias']
/Users/kaleighahara/anaconda3/envs/torchreid/lib/python3.7/site-packages/torch/nn/functional.py:718: UserWarning: Named tensors and all their associated APIs are an experimental feature and subject to change. Please do not use them for anything important until they are released as stable. (Triggered internally at /Users/distiller/project/conda/conda-bld/pytorch_1623459064158/work/c10/core/TensorImpl.h:1156.)
    return torch.max_pool2d(input, kernel_size, stride, padding, dilation, ceil_mode)
Model: osnet_ain_x1_0
- params: 2,193,616
- flops: 978,878,352
Successfully loaded pretrained weights from "weights/osnet_ain_x1_0_dukemtmcreid_256x128_omsgrad_ep90_lr0.0015_coslr_b64_fb10_softmax_labsmth_flip_jitter.pth"
** The following layers are discarded due to unmatched keys or layer size: ['classifier.weight', 'classifier.bias']
torch.Size([2, 512])
torch.Size([1, 512])
torch.Size([1, 512])
Cosine Distance: 0.0431
Euclidean Distance: 23.2663
(torchreid) Kaleighs-MacBook-Pro-2:deep-person-reid-master kaleighahara$ python compare_features.py --image_dir 'datasets/images_similar_background/_cropped'
/Users/kaleighahara/Desktop/Thesis/REPO/AnonymizePeople/deep-person-reid-master/torchreid/metrics/rank.py:12: UserWarning: Cython evaluation (very fast so highly recommended) is unavailable, now use python evaluation.
  'Cython evaluation (very fast so highly recommended) is '
image_files ['datasets/images_similar_background/_cropped/aachen_000154_000019_0.png', 'datasets/images_similar_background/_cropped/aachen_000154_000019_1.png']
Successfully loaded imagenet pretrained weights from "/Users/kaleighahara/.cache/torch/checkpoints/osnet_ain_x1_0_imagenet.pth"
** The following layers are discarded due to unmatched keys or layer size: ['classifier.weight', 'classifier.bias']
/Users/kaleighahara/anaconda3/envs/torchreid/lib/python3.7/site-packages/torch/nn/functional.py:718: UserWarning: Named tensors and all their associated APIs are an experimental feature and subject to change. Please do not use them for anything important until they are released as stable. (Triggered internally at /Users/distiller/project/conda/conda-bld/pytorch_1623459064158/work/c10/core/TensorImpl.h:1156.)
    return torch.max_pool2d(input, kernel_size, stride, padding, dilation, ceil_mode)
Model: osnet_ain_x1_0
- params: 2,193,616
- flops: 978,878,352
Successfully loaded pretrained weights from "weights/osnet_ain_x1_0_dukemtmcreid_256x128_omsgrad_ep90_lr0.0015_coslr_b64_fb10_softmax_labsmth_flip_jitter.pth"
** The following layers are discarded due to unmatched keys or layer size: ['classifier.weight', 'classifier.bias']
torch.Size([2, 512])
torch.Size([1, 512])
torch.Size([1, 512])
Cosine Distance: 0.2229
Euclidean Distance: 92.1866
(torchreid) Kaleighs-MacBook-Pro-2:deep-person-reid-master kaleighahara$ python compare_features.py --image_dir 'datasets/images_mode_collapse/_cropped'
/Users/kaleighahara/Desktop/Thesis/REPO/AnonymizePeople/deep-person-reid-master/torchreid/metrics/rank.py:12: UserWarning: Cython evaluation (very fast so highly recommended) is unavailable, now use python evaluation.
  'Cython evaluation (very fast so highly recommended) is '
image_files ['datasets/images_mode_collapse/_cropped/bachum_000000_006484_0.png', 'datasets/images_mode_collapse/_cropped/aachen_000024_000019_2.png']
Successfully loaded imagenet pretrained weights from "/Users/kaleighahara/.cache/torch/checkpoints/osnet_ain_x1_0_imagenet.pth"
** The following layers are discarded due to unmatched keys or layer size: ['classifier.weight', 'classifier.bias']
/Users/kaleighahara/anaconda3/envs/torchreid/lib/python3.7/site-packages/torch/nn/functional.py:718: UserWarning: Named tensors and all their associated APIs are an experimental feature and subject to change. Please do not use them for anything important until they are released as stable. (Triggered internally at /Users/distiller/project/conda/conda-bld/pytorch_1623459064158/work/c10/core/TensorImpl.h:1156.)
    return torch.max_pool2d(input, kernel_size, stride, padding, dilation, ceil_mode)
Model: osnet_ain_x1_0
- params: 2,193,616
- flops: 978,878,352
Successfully loaded pretrained weights from "weights/osnet_ain_x1_0_dukemtmcreid_256x128_omsgrad_ep90_lr0.0015_coslr_b64_fb10_softmax_labsmth_flip_jitter.pth"
** The following layers are discarded due to unmatched keys or layer size: ['classifier.weight', 'classifier.bias']
torch.Size([2, 512])
torch.Size([1, 512])
torch.Size([1, 512])
Cosine Distance: 0.1402
Euclidean Distance: 71.8828
(torchreid) Kaleighs-MacBook-Pro-2:deep-person-reid-master kaleighahara$
(torchreid) Kaleighs-MacBook-Pro-2:deep-person-reid-master kaleighahara$
(torchreid) Kaleighs-MacBook-Pro-2:deep-person-reid-master kaleighahara$
(torchreid) Kaleighs-MacBook-Pro-2:deep-person-reid-master kaleighahara$
(torchreid) Kaleighs-MacBook-Pro-2:deep-person-reid-master kaleighahara$
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(torchreid) Kaleighs-MacBook-Pro-2:deep-person-reid-master kaleighahara$
(torchreid) Kaleighs-MacBook-Pro-2:deep-person-reid-master kaleighahara$
/Users/kaleighahara/Desktop/Thesis/REPO/AnonymizePeople/deep-person-reid-master/torchreid/metrics/rank.py:12: UserWarning: Cython evaluation (very fast so highly recommended) is unavailable, now use python evaluation.
  'Cython evaluation (very fast so highly recommended) is '
image_files ['datasets/images_mode_collapse/_cropped/bachum_000000_006484_0.png', 'datasets/images_mode_collapse/_cropped/aachen_000024_000019_2.png']
Successfully loaded imagenet pretrained weights from "/Users/kaleighahara/.cache/torch/checkpoints/osnet_ain_x1_0_imagenet.pth"
** The following layers are discarded due to unmatched keys or layer size: ['classifier.weight', 'classifier.bias']
/Users/kaleighahara/anaconda3/envs/torchreid/lib/python3.7/site-packages/torch/nn/functional.py:718: UserWarning: Named tensors and all their associated APIs are an experimental feature and subject to change. Please do not use them for anything important until they are released as stable. (Triggered internally at /Users/distiller/project/conda/conda-bld/pytorch_1623459064158/work/c10/core/TensorImpl.h:1156.)
    return torch.max_pool2d(input, kernel_size, stride, padding, dilation, ceil_mode)
Model: osnet_ain_x1_0
- params: 2,193,616
- flops: 978,878,352
Successfully loaded pretrained weights from "weights/osnet_ain_x1_0_dukemtmcreid_256x128_omsgrad_ep90_lr0.0015_coslr_b64_fb10_softmax_labsmth_flip_jitter.pth"
** The following layers are discarded due to unmatched keys or layer size: ['classifier.weight', 'classifier.bias']
torch.Size([2, 512])
Cosine Distance: 0.1402
Euclidean Distance: 71.8828

(torchreid) Kaleighs-MacBook-Pro-2:deep-person-reid-master kaleighahara$ python compare_features.py --image_dir 'datasets/images_similar_background/_cropped'
/Users/kaleighahara/Desktop/Thesis/REPO/AnonymizePeople/deep-person-reid-master/torchreid/metrics/rank.py:12: UserWarning: Cython evaluation (very fast so highly recommended) is unavailable, now use python evaluation.
  'Cython evaluation (very fast so highly recommended) is '
image_files ['datasets/images_similar_background/_cropped/aachen_000154_000019_0.png', 'datasets/images_similar_background/_cropped/aachen_000154_000019_1.png']
Successfully loaded imagenet pretrained weights from "/Users/kaleighahara/.cache/torch/checkpoints/osnet_ain_x1_0_imagenet.pth"
** The following layers are discarded due to unmatched keys or layer size: ['classifier.weight', 'classifier.bias']
/Users/kaleighahara/anaconda3/envs/torchreid/lib/python3.7/site-packages/torch/nn/functional.py:718: UserWarning: Named tensors and all their associated APIs are an experimental feature and subject to change. Please do not use them for anything important until they are released as stable. (Triggered internally at /Users/distiller/project/conda/conda-bld/pytorch_1623459064158/work/c10/core/TensorImpl.h:1156.)
    return torch.max_pool2d(input, kernel_size, stride, padding, dilation, ceil_mode)
Model: osnet_ain_x1_0
- params: 2,193,616
- flops: 978,878,352
Successfully loaded pretrained weights from "weights/osnet_ain_x1_0_dukemtmcreid_256x128_omsgrad_ep90_lr0.0015_coslr_b64_fb10_softmax_labsmth_flip_jitter.pth"
** The following layers are discarded due to unmatched keys or layer size: ['classifier.weight', 'classifier.bias']
torch.Size([2, 512])
Cosine Distance: 0.2229
Euclidean Distance: 92.1866

(torchreid) Kaleighs-MacBook-Pro-2:deep-person-reid-master kaleighahara$ python compare_features.py --image_dir 'datasets/images_different/_cropped'
/Users/kaleighahara/Desktop/Thesis/REPO/AnonymizePeople/deep-person-reid-master/torchreid/metrics/rank.py:12: UserWarning: Cython evaluation (very fast so highly recommended) is unavailable, now use python evaluation.
```

```
'Cython evaluation (very fast so highly recommended) is '
image_files ['datasets/images_different/cropped/zurich_000076_000019_0.png', 'datasets/images_different/cropped/zurich_000106_000019_3.png']
Successfully loaded imagenet pretrained weights from "/Users/kaleighohara/.cache/torch/checkpoints/osnet_a1_0_imagenet.pth"
** The following layers are discarded due to unmatched keys or layer size: ['classifier.weight', 'classifier.bias']
/Users/kaleighohara/anaconda3/envs/torchreid/lib/python3.7/site-packages/torch/nn/functional.py:718: UserWarning: Named tensors and all their associated APIs are an experimental feature and subject to change. Please do not use them for anything important until they are released as stable. (Triggered internally at /Users/distiller/project/conda/conda-bld/pytorch_1623459064158/work/c10/core/TensorImpl.h:1156.)
    return torch.max_pool2d(input, kernel_size, stride, padding, dilation, ceil_mode)
Model: osnet_a1_0
- params: 2,193,616
- flops: 978,878,352
Successfully loaded pretrained weights from "weights/osnet_a1_0_dukemtmcrid_256x128_omsgrad_ep90_lr0.0015_coslr_b64_fb10_softmax_labsmth_flip_jitter.pth"
** The following layers are discarded due to unmatched keys or layer size: ['classifier.weight', 'classifier.bias']

torch.Size([2, 512])
Cosine Distance: 0.4879
Euclidean Distance: 233.6621

(torchreid) Kaleighs-MacBook-Pro-2:deep-person-reid-master kaleighohara$ python compare_features.py --image_dir 'datasets/images_similar/cropped'
/Users/kaleighohara/Desktop/Thesis/REPO/AnonymizePeople/deep-person-reid-master/torchreid/metrics/rank.py:12: UserWarning: Cython evaluation (very fast so highly recommended) is unavailable, now use python evaluation.
    'Cython evaluation (very fast so highly recommended) is '
image_files ['datasets/images_similar/cropped/aachen_000082_000019_3.png', 'datasets/images_similar/cropped/aachen_000082_000019_4.png']
Successfully loaded imagenet pretrained weights from "/Users/kaleighohara/.cache/torch/checkpoints/osnet_a1_0_imagenet.pth"
** The following layers are discarded due to unmatched keys or layer size: ['classifier.weight', 'classifier.bias']
/Users/kaleighohara/anaconda3/envs/torchreid/lib/python3.7/site-packages/torch/nn/functional.py:718: UserWarning: Named tensors and all their associated APIs are an experimental feature and subject to change. Please do not use them for anything important until they are released as stable. (Triggered internally at /Users/distiller/project/conda/conda-bld/pytorch_1623459064158/work/c10/core/TensorImpl.h:1156.)
    return torch.max_pool2d(input, kernel_size, stride, padding, dilation, ceil_mode)
Model: osnet_a1_0
- params: 2,193,616
- flops: 978,878,352
Successfully loaded pretrained weights from "weights/osnet_a1_0_dukemtmcrid_256x128_omsgrad_ep90_lr0.0015_coslr_b64_fb10_softmax_labsmth_flip_jitter.pth"
** The following layers are discarded due to unmatched keys or layer size: ['classifier.weight', 'classifier.bias']

torch.Size([2, 512])
Cosine Distance: 0.0431
Euclidean Distance: 23.2663

(torchreid) Kaleighs-MacBook-Pro-2:deep-person-reid-master kaleighohara$ python crop_images.py --image_dir 'datasets/images_similar_background'
img_size (256, 256)
bbox width 56
bbox height 133
bbox width 55
bbox height 136
cropped torch.Size([1, 3, 256, 128])
cropped torch.Size([1, 3, 256, 128])
(torchreid) Kaleighs-MacBook-Pro-2:deep-person-reid-master kaleighohara$ python crop_images.py --image_dir 'datasets/images_similar_background'
img_size (256, 256)
bbox width 56
bbox height 133
bbox width 55
bbox height 136
cropped torch.Size([1, 3, 256, 128])
cropped torch.Size([1, 3, 256, 128])
(torchreid) Kaleighs-MacBook-Pro-2:deep-person-reid-master kaleighohara$ python crop_images.py --image_dir 'datasets/images_similar'
img_size (256, 256)
bbox width 71
bbox height 200
bbox width 75
bbox height 199
cropped torch.Size([1, 3, 256, 128])
cropped torch.Size([1, 3, 256, 128])
(torchreid) Kaleighs-MacBook-Pro-2:deep-person-reid-master kaleighohara$ python crop_images.py --image_dir 'datasets/images_different'
img_size (256, 256)
bbox width 54
bbox height 146
bbox width 65
bbox height 232
cropped torch.Size([1, 3, 256, 128])
cropped torch.Size([1, 3, 256, 128])
(torchreid) Kaleighs-MacBook-Pro-2:deep-person-reid-master kaleighohara$ python crop_images.py --image_dir 'datasets/images_mode_collapse'
img_size (128, 128)
bbox width 67
bbox height 171
bbox width 63
bbox height 180
cropped torch.Size([1, 3, 256, 128])
cropped torch.Size([1, 3, 256, 128])
(torchreid) Kaleighs-MacBook-Pro-2:deep-person-reid-master kaleighohara$ python compare_features.py --image_dir 'datasets/images_similar/cropped'
/Users/kaleighohara/Desktop/Thesis/REPO/AnonymizePeople/deep-person-reid-master/torchreid/metrics/rank.py:12: UserWarning: Cython evaluation (very fast so highly recommended) is unavailable, now use python evaluation.
    'Cython evaluation (very fast so highly recommended) is '
image_files ['datasets/images_similar/cropped/zurich_000076_000019_3.png', 'datasets/images_similar/cropped/aachen_000082_000019_4.png']
Successfully loaded imagenet pretrained weights from "/Users/kaleighohara/.cache/torch/checkpoints/osnet_a1_0_imagenet.pth"
** The following layers are discarded due to unmatched keys or layer size: ['classifier.weight', 'classifier.bias']
/Users/kaleighohara/anaconda3/envs/torchreid/lib/python3.7/site-packages/torch/nn/functional.py:718: UserWarning: Named tensors and all their associated APIs are an experimental feature and subject to change. Please do not use them for anything important until they are released as stable. (Triggered internally at /Users/distiller/project/conda/conda-bld/pytorch_1623459064158/work/c10/core/TensorImpl.h:1156.)
    return torch.max_pool2d(input, kernel_size, stride, padding, dilation, ceil_mode)
Model: osnet_a1_0
- params: 2,193,616
- flops: 978,878,352
Successfully loaded pretrained weights from "weights/osnet_a1_0_dukemtmcrid_256x128_omsgrad_ep90_lr0.0015_coslr_b64_fb10_softmax_labsmth_flip_jitter.pth"
** The following layers are discarded due to unmatched keys or layer size: ['classifier.weight', 'classifier.bias']

torch.Size([2, 512])
Cosine Distance: 0.0431
Euclidean Distance: 23.2663

(torchreid) Kaleighs-MacBook-Pro-2:deep-person-reid-master kaleighohara$ python compare_features.py --image_dir 'datasets/images_different/cropped'
/Users/kaleighohara/Desktop/Thesis/REPO/AnonymizePeople/deep-person-reid-master/torchreid/metrics/rank.py:12: UserWarning: Cython evaluation (very fast so highly recommended) is unavailable, now use python evaluation.
    'Cython evaluation (very fast so highly recommended) is '
image_files ['datasets/images_different/cropped/zurich_000076_000019_0.png', 'datasets/images_different/cropped/zurich_000106_000019_3.png']
Successfully loaded imagenet pretrained weights from "/Users/kaleighohara/.cache/torch/checkpoints/osnet_a1_0_imagenet.pth"
** The following layers are discarded due to unmatched keys or layer size: ['classifier.weight', 'classifier.bias']
/Users/kaleighohara/anaconda3/envs/torchreid/lib/python3.7/site-packages/torch/nn/functional.py:718: UserWarning: Named tensors and all their associated APIs are an experimental feature and subject to change. Please do not use them for anything important until they are released as stable. (Triggered internally at /Users/distiller/project/conda/conda-bld/pytorch_1623459064158/work/c10/core/TensorImpl.h:1156.)
    return torch.max_pool2d(input, kernel_size, stride, padding, dilation, ceil_mode)
Model: osnet_a1_0
- params: 2,193,616
- flops: 978,878,352
Successfully loaded pretrained weights from "weights/osnet_a1_0_dukemtmcrid_256x128_omsgrad_ep90_lr0.0015_coslr_b64_fb10_softmax_labsmth_flip_jitter.pth"
** The following layers are discarded due to unmatched keys or layer size: ['classifier.weight', 'classifier.bias']

torch.Size([2, 512])
Cosine Distance: 0.4879
Euclidean Distance: 233.6621

(torchreid) Kaleighs-MacBook-Pro-2:deep-person-reid-master kaleighohara$ python compare_features.py --image_dir 'datasets/images_similar_background/cropped'
/Users/kaleighohara/Desktop/Thesis/REPO/AnonymizePeople/deep-person-reid-master/torchreid/metrics/rank.py:12: UserWarning: Cython evaluation (very fast so highly recommended) is unavailable, now use python evaluation.
    'Cython evaluation (very fast so highly recommended) is '
image_files ['datasets/images_similar_background/cropped/aachen_000154_000019_0.png', 'datasets/images_similar_background/cropped/aachen_000154_000019_1.png']
Successfully loaded imagenet pretrained weights from "/Users/kaleighohara/.cache/torch/checkpoints/osnet_a1_0_imagenet.pth"
** The following layers are discarded due to unmatched keys or layer size: ['classifier.weight', 'classifier.bias']
/Users/kaleighohara/anaconda3/envs/torchreid/lib/python3.7/site-packages/torch/nn/functional.py:718: UserWarning: Named tensors and all their associated APIs are an experimental feature and subject to change. Please do not use them for anything important until they are released as stable. (Triggered internally at /Users/distiller/project/conda/conda-bld/pytorch_1623459064158/work/c10/core/TensorImpl.h:1156.)
    return torch.max_pool2d(input, kernel_size, stride, padding, dilation, ceil_mode)
Model: osnet_a1_0
- params: 2,193,616
- flops: 978,878,352
Successfully loaded pretrained weights from "weights/osnet_a1_0_dukemtmcrid_256x128_omsgrad_ep90_lr0.0015_coslr_b64_fb10_softmax_labsmth_flip_jitter.pth"
** The following layers are discarded due to unmatched keys or layer size: ['classifier.weight', 'classifier.bias']

torch.Size([2, 512])
Cosine Distance: 0.2229
Euclidean Distance: 92.1866

(torchreid) Kaleighs-MacBook-Pro-2:deep-person-reid-master kaleighohara$ python compare_features.py --image_dir 'datasets/images_mode_collapse/cropped'
/Users/kaleighohara/Desktop/Thesis/REPO/AnonymizePeople/deep-person-reid-master/torchreid/metrics/rank.py:12: UserWarning: Cython evaluation (very fast so highly recommended) is unavailable, now use python evaluation.
    'Cython evaluation (very fast so highly recommended) is '
image_files ['datasets/images_mode_collapse/cropped/bocum_000000_006484_0.png', 'datasets/images_mode_collapse/cropped/aachen_000024_000019_2.png']
Successfully loaded imagenet pretrained weights from "/Users/kaleighohara/.cache/torch/checkpoints/osnet_a1_0_imagenet.pth"
** The following layers are discarded due to unmatched keys or layer size: ['classifier.weight', 'classifier.bias']
/Users/kaleighohara/anaconda3/envs/torchreid/lib/python3.7/site-packages/torch/nn/functional.py:718: UserWarning: Named tensors and all their associated APIs are an experimental feature and subject to change. Please do not use them for anything important until they are released as stable. (Triggered internally at /Users/distiller/project/conda/conda-bld/pytorch_1623459064158/work/c10/core/TensorImpl.h:1156.)
    return torch.max_pool2d(input, kernel_size, stride, padding, dilation, ceil_mode)
Model: osnet_a1_0
- params: 2,193,616
- flops: 978,878,352
Successfully loaded pretrained weights from "weights/osnet_a1_0_dukemtmcrid_256x128_omsgrad_ep90_lr0.0015_coslr_b64_fb10_softmax_labsmth_flip_jitter.pth"
** The following layers are discarded due to unmatched keys or layer size: ['classifier.weight', 'classifier.bias']

torch.Size([2, 512])
Cosine Distance: 0.2229
Euclidean Distance: 92.1866
```



```
se them for anything important until they are released as stable. (Triggered internally at /Users/distiller/project/conda/conda-bld/pytorch_1623459064158/work/c10/core/TensorImpl.h:1156.)
    return torch.max_pool2d(input, kernel_size, stride, padding, dilation, ceil_mode)
Model: osnet_ain_x1_0
- params: 2,193,616
- flops: 978,878,352
Successfully loaded pretrained weights from "weights/osnet_ain_x1_0_dukemtmcrid_256x128_amsgrad_ep90_lr0.0015_coslr_b64_fb10_softmax_labsmth_flip_jitter.pth"
** The following layers are discarded due to unmatched keys or layer size: ['classifier.weight', 'classifier.bias']

torch.Size([2, 512])
Cosine Distance: 0.1402
Euclidean Distance: 71.8828

(torchreid) Kaleighs-MacBook-Pro-2:deep-person-reid-master kaleighohara$ python crop_images.py --image_dir 'datasets/images_similar_background'
img_size (256, 256)
bbox width 56
bbox height 133
bbox width 55
bbox height 136
bbox width 55
bbox height 136
cropped torch.Size([1, 3, 136, 68])
resized cropped image torch.Size([1, 3, 256, 128])
bbox width 56
bbox height 133
cropped torch.Size([1, 3, 134, 66])
resized cropped image torch.Size([1, 3, 256, 128])
(torchreid) Kaleighs-MacBook-Pro-2:deep-person-reid-master kaleighohara$ python crop_images.py --image_dir 'datasets/images_similar_background'
img_size (256, 256)
bbox width 55
bbox height 136
cropped torch.Size([1, 3, 136, 68])
resized cropped image torch.Size([1, 3, 256, 128])
Traceback (most recent call last):
  File "crop_images.py", line 226, in <module>
    main()
  File "crop_images.py", line 208, in main
    assert img_cropped.size() == [1, 3, 256, 128]
AssertionError

(torchreid) Kaleighs-MacBook-Pro-2:deep-person-reid-master kaleighohara$ python crop_images.py --image_dir 'datasets/images_similar_background'
img_size (256, 256)
bbox width 55
bbox height 136
cropped torch.Size([1, 3, 136, 68])
resized cropped image torch.Size([1, 3, 256, 128])
bbox width 56
bbox height 133
cropped torch.Size([1, 3, 134, 66])
resized cropped image torch.Size([1, 3, 256, 128])
(torchreid) Kaleighs-MacBook-Pro-2:deep-person-reid-master kaleighohara$ python compare_features.py --image_dir 'datasets/images_similar_background/cropped'
/Users/kaleighohara/Desktop/Thesis/REPO/AnonymizePeople/deep-person-reid-master/torchreid/metrics/rank.py:12: UserWarning: Cython evaluation (very fast so highly recommended) is unavailable, now use python evaluation.
  "Cython evaluation (very fast so highly recommended) is "
image_files ['datasets/images_similar_background/cropped/aachen_000154_000019_0.png', 'datasets/images_similar_background/cropped/aachen_000154_000019_1.png']
Successfully loaded imagenet pretrained weights from "/Users/kaleighohara/.cache/torch/checkpoints/osnet_ain_x1_0_imagenet.pth"
** The following layers are discarded due to unmatched keys or layer size: ['classifier.weight', 'classifier.bias']
/Users/kaleighohara/anaconda3/envs/torchreid/lib/python3.7/site-packages/torch/nn/functional.py:718: UserWarning: Named tensors and all their associated APIs are an experimental feature and subject to change. Please do not u
se them for anything important until they are released as stable. (Triggered internally at /Users/distiller/project/conda/conda-bld/pytorch_1623459064158/work/c10/core/TensorImpl.h:1156.)
    return torch.max_pool2d(input, kernel_size, stride, padding, dilation, ceil_mode)
Model: osnet_ain_x1_0
- params: 2,193,616
- flops: 978,878,352
Successfully loaded pretrained weights from "weights/osnet_ain_x1_0_dukemtmcrid_256x128_amsgrad_ep90_lr0.0015_coslr_b64_fb10_softmax_labsmth_flip_jitter.pth"
** The following layers are discarded due to unmatched keys or layer size: ['classifier.weight', 'classifier.bias']

torch.Size([2, 512])
Cosine Distance: 0.5297
Euclidean Distance: 262.9203

(torchreid) Kaleighs-MacBook-Pro-2:deep-person-reid-master kaleighohara$ python crop_images.py --image_dir 'datasets/images_mode_collapse'
img_size (128, 128)
bbox width 67
bbox height 171
cropped torch.Size([1, 3, 172, 84])
resized cropped image torch.Size([1, 3, 256, 128])
bbox width 63
bbox height 180
cropped torch.Size([1, 3, 180, 90])
resized cropped image torch.Size([1, 3, 256, 128])
(torchreid) Kaleighs-MacBook-Pro-2:deep-person-reid-master kaleighohara$ python crop_images.py --image_dir 'datasets/images_different'
img_size (256, 256)
bbox width 54
bbox height 146
cropped torch.Size([1, 3, 146, 72])
resized cropped image torch.Size([1, 3, 256, 128])
bbox width 65
bbox height 232
cropped torch.Size([1, 3, 232, 116])
resized cropped image torch.Size([1, 3, 256, 128])
(torchreid) Kaleighs-MacBook-Pro-2:deep-person-reid-master kaleighohara$ python crop_images.py --image_dir 'datasets/images_similar'
img_size (256, 256)
bbox width 71
bbox height 200
cropped torch.Size([1, 3, 200, 100])
resized cropped image torch.Size([1, 3, 256, 128])
bbox width 75
bbox height 199
cropped torch.Size([1, 3, 200, 98])
resized cropped image torch.Size([1, 3, 256, 128])
(torchreid) Kaleighs-MacBook-Pro-2:deep-person-reid-master kaleighohara$ python compare_features.py --image_dir 'datasets/images_similar/cropped'
/Users/kaleighohara/Desktop/Thesis/REPO/AnonymizePeople/deep-person-reid-master/torchreid/metrics/rank.py:12: UserWarning: Cython evaluation (very fast so highly recommended) is unavailable, now use python evaluation.
  "Cython evaluation (very fast so highly recommended) is "
image_files ['datasets/images_similar/cropped/aachen_000082_000019_3.png', 'datasets/images_similar/cropped/aachen_000082_000019_4.png']
Successfully loaded imagenet pretrained weights from "/Users/kaleighohara/.cache/torch/checkpoints/osnet_ain_x1_0_imagenet.pth"
** The following layers are discarded due to unmatched keys or layer size: ['classifier.weight', 'classifier.bias']
/Users/kaleighohara/anaconda3/envs/torchreid/lib/python3.7/site-packages/torch/nn/functional.py:718: UserWarning: Named tensors and all their associated APIs are an experimental feature and subject to change. Please do not u
se them for anything important until they are released as stable. (Triggered internally at /Users/distiller/project/conda/conda-bld/pytorch_1623459064158/work/c10/core/TensorImpl.h:1156.)
    return torch.max_pool2d(input, kernel_size, stride, padding, dilation, ceil_mode)
Model: osnet_ain_x1_0
- params: 2,193,616
- flops: 978,878,352
Successfully loaded pretrained weights from "weights/osnet_ain_x1_0_dukemtmcrid_256x128_amsgrad_ep90_lr0.0015_coslr_b64_fb10_softmax_labsmth_flip_jitter.pth"
** The following layers are discarded due to unmatched keys or layer size: ['classifier.weight', 'classifier.bias']

torch.Size([2, 512])
Cosine Distance: 0.189
Euclidean Distance: 102.5746

(torchreid) Kaleighs-MacBook-Pro-2:deep-person-reid-master kaleighohara$ python compare_features.py --image_dir 'datasets/images_different/cropped'
/Users/kaleighohara/Desktop/Thesis/REPO/AnonymizePeople/deep-person-reid-master/torchreid/metrics/rank.py:12: UserWarning: Cython evaluation (very fast so highly recommended) is unavailable, now use python evaluation.
  "Cython evaluation (very fast so highly recommended) is "
image_files ['datasets/images_different/cropped/aachen_000076_000019_0.png', 'datasets/images_different/cropped/zurich_000106_000019_3.png']
Successfully loaded imagenet pretrained weights from "/Users/kaleighohara/.cache/torch/checkpoints/osnet_ain_x1_0_imagenet.pth"
** The following layers are discarded due to unmatched keys or layer size: ['classifier.weight', 'classifier.bias']
/Users/kaleighohara/anaconda3/envs/torchreid/lib/python3.7/site-packages/torch/nn/functional.py:718: UserWarning: Named tensors and all their associated APIs are an experimental feature and subject to change. Please do not u
se them for anything important until they are released as stable. (Triggered internally at /Users/distiller/project/conda/conda-bld/pytorch_1623459064158/work/c10/core/TensorImpl.h:1156.)
    return torch.max_pool2d(input, kernel_size, stride, padding, dilation, ceil_mode)
Model: osnet_ain_x1_0
- params: 2,193,616
- flops: 978,878,352
Successfully loaded pretrained weights from "weights/osnet_ain_x1_0_dukemtmcrid_256x128_amsgrad_ep90_lr0.0015_coslr_b64_fb10_softmax_labsmth_flip_jitter.pth"
** The following layers are discarded due to unmatched keys or layer size: ['classifier.weight', 'classifier.bias']

torch.Size([2, 512])
Cosine Distance: 0.3883
Euclidean Distance: 191.8076

(torchreid) Kaleighs-MacBook-Pro-2:deep-person-reid-master kaleighohara$ python compare_features.py --image_dir 'datasets/images_mode_collapse/cropped'
/Users/kaleighohara/Desktop/Thesis/REPO/AnonymizePeople/deep-person-reid-master/torchreid/metrics/rank.py:12: UserWarning: Cython evaluation (very fast so highly recommended) is unavailable, now use python evaluation.
  "Cython evaluation (very fast so highly recommended) is "
image_files ['datasets/images_mode_collapse/cropped/bachum_000000_006484_0.png', 'datasets/images_mode_collapse/cropped/aachen_000024_000019_2.png']
Successfully loaded imagenet pretrained weights from "/Users/kaleighohara/.cache/torch/checkpoints/osnet_ain_x1_0_imagenet.pth"
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** The following layers are discarded due to unmatched keys or layer size: ['classifier.weight', 'classifier.bias']
/Users/kaleighhara/anaconda3/envs/torchreid/lib/python3.7/site-packages/torch/nn/functional.py:718: UserWarning: Named tensors and all their associated APIs are an experimental feature and subject to change. Please do not use them for anything important until they are released as stable. (Triggered internally at /Users/distiller/project/conda/conda-bld/pytorch.1623459064158/work/c10/core/TensorImpl.h:1156.)
    return torch.max_pool2d(input, kernel_size, stride, padding, dilation, ceil_mode)
Model: osnet_ain_x1_0
- params: 2,193,616
- flops: 978,878,352
Successfully loaded pretrained weights from "weights/osnet_ain_x1_0_dukemtmcrid_256x128_omsgrad_ep90_lr0.0015_coslr_b64_fb10_softmax_labsmth_flip_jitter.pth"
** The following layers are discarded due to unmatched keys or layer size: ['classifier.weight', 'classifier.bias']

torch.Size([2, 512])
Cosine Distance: 0.0732
Euclidean Distance: 33.1962

(torchreid) Kaleighs-MacBook-Pro-2:deep-person-reid-master kaleighhara$ python crop_images.py --image_dir 'datasets/images_similar'
(torchreid) Kaleighs-MacBook-Pro-2:deep-person-reid-master kaleighhara$ python crop_images.py --image_dir 'datasets_1200_w40_solid/images/train' --bbox_dir 'datasets_1200_w40_solid/bbox/train'
Traceback (most recent call last):
  File "crop_images.py", line 227, in <module>
    main()
  File "crop_images.py", line 206, in main
    img_cropped = resize.crop(img_cropped)    ## Resize cropped image to 256 x 128
  File "/Users/kaleighhara/anaconda3/envs/torchreid/lib/python3.7/site-packages/torch/nn/modules/module.py", line 1051, in _call_impl
    return forward_call(*input, **kwargs)
  File "/Users/kaleighhara/anaconda3/envs/torchreid/lib/python3.7/site-packages/torchvision/transforms/transforms.py", line 297, in forward
    return F.resize(img, self.size, self.interpolation, self.max_size, self.antialias)
  File "/Users/kaleighhara/anaconda3/envs/torchreid/lib/python3.7/site-packages/torchvision/transforms/functional.py", line 403, in resize
    return F.t.resize(img, size=size, interpolation=interpolation.value, max_size=max_size, antialias=antialias)
  File "/Users/kaleighhara/anaconda3/envs/torchreid/lib/python3.7/site-packages/torchvision/transforms/functional_tensor.py", line 552, in resize
    img = interpolate(img, size=[new_h, new_w], mode=interpolation, align_corners=align_corners)
  File "/Users/kaleighhara/anaconda3/envs/torchreid/lib/python3.7/site-packages/torch/nn/functional.py", line 3709, in interpolate
    return torch._C._nn.upsample_bilinear2d(input, output_size, align_corners, scale_factors)
RuntimeError: Input and output sizes should be greater than 0, but got input (H: 126, W: 0) output (H: 256, W: 128)
(torchreid) Kaleighs-MacBook-Pro-2:deep-person-reid-master kaleighhara$ python crop_images.py --image_dir 'datasets_1200_w40_solid/images/train' --bbox_dir 'datasets_1200_w40_solid/bbox/train'
ERROR: hanover_000000_026356_9
Traceback (most recent call last):
  File "crop_images.py", line 230, in <module>
    main()
  File "crop_images.py", line 211, in main
    assert img_cropped.size()[2] == 256
AssertionError
(torchreid) Kaleighs-MacBook-Pro-2:deep-person-reid-master kaleighhara$ python crop_images.py --image_dir 'datasets_1200_w40_solid/images/train' --bbox_dir 'datasets_1200_w40_solid/bbox/train'
ERROR: hanover_000000_026356_9
cropped torch.Size([1, 3, 126, 0])
Traceback (most recent call last):
  File "crop_images.py", line 231, in <module>
    main()
  File "crop_images.py", line 212, in main
    assert img_cropped.size()[2] == 256
AssertionError
(torchreid) Kaleighs-MacBook-Pro-2:deep-person-reid-master kaleighhara$ python crop_images.py --image_dir 'datasets_1200_w40_solid/images/train' --bbox_dir 'datasets_1200_w40_solid/bbox/train'
CROP ERROR: hanover_000000_026356_9
cropped torch.Size([1, 3, 126, 0])
error saving file to cropped directory: hanover_000000_026356_9
CROP ERROR: zurich_000062_000019_5
cropped torch.Size([1, 3, 146, 0])
error saving file to cropped directory: zurich_000062_000019_5
CROP ERROR: munster_000049_000019_8
cropped torch.Size([1, 3, 208, 0])
error saving file to cropped directory: munster_000049_000019_8
CROP ERROR: darmstadt_000043_000019_2
cropped torch.Size([1, 3, 148, 0])
error saving file to cropped directory: darmstadt_000043_000019_2
CROP ERROR: strasbourg_000000_017283_1
cropped torch.Size([1, 3, 150, 0])
error saving file to cropped directory: strasbourg_000000_017283_1
CROP ERROR: erfurt_000068_000019_12
cropped torch.Size([1, 3, 188, 0])
error saving file to cropped directory: erfurt_000068_000019_12
CROP ERROR: monchengladbach_000000_018294_5
cropped torch.Size([1, 3, 180, 0])
error saving file to cropped directory: monchengladbach_000000_018294_5
CROP ERROR: hamburg_000000_103367_13
cropped torch.Size([1, 3, 138, 0])
error saving file to cropped directory: hamburg_000000_103367_13
CROP ERROR: aachen_000046_000019_1
cropped torch.Size([1, 3, 206, 0])
error saving file to cropped directory: aachen_000046_000019_1
CROP ERROR: hamburg_000000_054850_8
cropped torch.Size([1, 3, 174, 0])
error saving file to cropped directory: hamburg_000000_054850_8
CROP ERROR: cologne_000148_000019_3
cropped torch.Size([1, 3, 198, 0])
error saving file to cropped directory: cologne_000148_000019_3
CROP ERROR: frankfurt_000000_011461_1
cropped torch.Size([1, 3, 204, 0])
error saving file to cropped directory: frankfurt_000000_011461_1
CROP ERROR: munster_000026_000019_0
cropped torch.Size([1, 3, 232, 0])
error saving file to cropped directory: munster_000026_000019_0
(torchreid) Kaleighs-MacBook-Pro-2:deep-person-reid-master kaleighhara$ python crop_images.py --image_dir 'datasets_1200_w40_solid/images/train' --bbox_dir 'datasets_1200_w40_solid/bbox/train'
bbox_width 46
bbox_height 125
crop size torch.Size([1, 3, 126, 0])
y1 65
y2 191
x1 -1
y2 61
CROP ERROR: hanover_000000_026356_9
cropped torch.Size([1, 3, 126, 0])
error saving file to cropped directory: hanover_000000_026356_9
bbox_width 42
bbox_height 146
crop size torch.Size([1, 3, 146, 0])
y1 56
y2 202
x1 -8
y2 64
CROP ERROR: zurich_000062_000019_5
cropped torch.Size([1, 3, 146, 0])
error saving file to cropped directory: zurich_000062_000019_5
bbox_width 48
bbox_height 207
crop size torch.Size([1, 3, 208, 0])
y1 24
y2 232
x1 -20
y2 82
CROP ERROR: munster_000049_000019_8
cropped torch.Size([1, 3, 208, 0])
error saving file to cropped directory: munster_000049_000019_8
bbox_width 57
bbox_height 147
crop size torch.Size([1, 3, 148, 0])
y1 54
y2 202
x1 -1
y2 71
CROP ERROR: darmstadt_000043_000019_2
cropped torch.Size([1, 3, 148, 0])
error saving file to cropped directory: darmstadt_000043_000019_2
bbox_width 44
bbox_height 149
crop size torch.Size([1, 3, 150, 0])
y1 53
y2 203
x1 -8
y2 66
CROP ERROR: strasbourg_000000_017283_1
cropped torch.Size([1, 3, 150, 0])
error saving file to cropped directory: strasbourg_000000_017283_1
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bbbox_width 54
bbbox_height 187
crop size torch.Size([1, 3, 188, 0])
y1 34
y2 222
x1 -12
y2 80
CROP ERROR: erfurt_000068_000019_12
cropped torch.Size([1, 3, 188, 0])
error saving file to cropped directory: erfurt_000068_000019_12
bbbox_width 57
bbbox_height 180
crop size torch.Size([1, 3, 180, 0])
y1 39
y2 219
x1 -10
y2 80
CROP ERROR: monchengladbach_000000_018294_5
cropped torch.Size([1, 3, 180, 0])
error saving file to cropped directory: monchengladbach_000000_018294_5
bbbox_width 50
bbbox_height 137
crop size torch.Size([1, 3, 138, 0])
y1 59
y2 197
x1 -2
y2 66
CROP ERROR: hamburg_000000_103367_13
cropped torch.Size([1, 3, 138, 0])
error saving file to cropped directory: hamburg_000000_103367_13
bbbox_width 62
bbbox_height 206
crop size torch.Size([1, 3, 206, 0])
y1 26
y2 232
x1 -13
y2 89
CROP ERROR: aachen_000046_000019_1
cropped torch.Size([1, 3, 206, 0])
error saving file to cropped directory: aachen_000046_000019_1
bbbox_width 54
bbbox_height 173
crop size torch.Size([1, 3, 174, 0])
y1 41
y2 215
x1 -9
y2 77
CROP ERROR: hamburg_000000_054850_8
cropped torch.Size([1, 3, 174, 0])
error saving file to cropped directory: hamburg_000000_054850_8
bbbox_width 47
bbbox_height 198
crop size torch.Size([1, 3, 198, 0])
y1 30
y2 228
x1 -19
y2 79
CROP ERROR: cologne_000148_000019_3
cropped torch.Size([1, 3, 198, 0])
error saving file to cropped directory: cologne_000148_000019_3
bbbox_width 65
bbbox_height 203
crop size torch.Size([1, 3, 204, 0])
y1 26
y2 230
x1 -11
y2 89
CROP ERROR: frankfurt_000000_011461_1
cropped torch.Size([1, 3, 204, 0])
error saving file to cropped directory: frankfurt_000000_011461_1
bbbox_width 72
bbbox_height 232
crop size torch.Size([1, 3, 232, 0])
y1 13
y2 245
x1 -15
y2 101
CROP ERROR: munster_000026_000019_0
cropped torch.Size([1, 3, 232, 0])
error saving file to cropped directory: munster_000026_000019_0
(torchreid) kaleighs-MacBook-Pro-2:deep-person-reid-master kaleighaharad$ python crop_images.py --image_dir 'datasets_1200_w40_solid/images/train' --bbbox_dir 'datasets_1200_w40_solid/bbox/train'

bbbox_width 46
bbbox_height 125
case 1
crop size torch.Size([1, 3, 126, 0])
y1 65
y2 191
x1 -1
y2 61
CROP ERROR: hanover_000000_026356_9
cropped torch.Size([1, 3, 126, 0])
error saving file to cropped directory: hanover_000000_026356_9

bbbox_width 42
bbbox_height 146
case 1
crop size torch.Size([1, 3, 146, 0])
y1 56
y2 202
x1 -8
y2 64
CROP ERROR: zurich_000062_000019_5
cropped torch.Size([1, 3, 146, 0])
error saving file to cropped directory: zurich_000062_000019_5

bbbox_width 48
bbbox_height 207
case 1
crop size torch.Size([1, 3, 208, 0])
y1 24
y2 232
x1 -20
y2 82
CROP ERROR: munster_000049_000019_8
cropped torch.Size([1, 3, 208, 0])
error saving file to cropped directory: munster_000049_000019_8

bbbox_width 57
bbbox_height 147
case 1
crop size torch.Size([1, 3, 148, 0])
y1 54
y2 202
x1 -1
y2 71
CROP ERROR: darmstadt_000043_000019_2
cropped torch.Size([1, 3, 148, 0])
error saving file to cropped directory: darmstadt_000043_000019_2

bbbox_width 44
bbbox_height 149
case 1
crop size torch.Size([1, 3, 150, 0])
y1 53
y2 203
x1 -8
y2 66
CROP ERROR: strasbourg_000000_017283_1
cropped torch.Size([1, 3, 150, 0])
```

error saving file to cropped directory: strasbourg_000000_017283_1

```
bbox_width 54
bbox_height 187
case 1
crop size torch.Size([1, 3, 188, 0])
y1 34
y2 222
x1 -12
y2 80
CROP ERROR: erfurt_000068_000019_12
cropped torch.Size([1, 3, 188, 0])
error saving file to cropped directory: erfurt_000068_000019_12
```

```
bbox_width 57
bbox_height 180
case 1
crop size torch.Size([1, 3, 180, 0])
y1 39
y2 219
x1 -10
y2 80
CROP ERROR: monchengladbach_000000_018294_5
cropped torch.Size([1, 3, 180, 0])
error saving file to cropped directory: monchengladbach_000000_018294_5
```

```
bbox_width 50
bbox_height 137
case 1
crop size torch.Size([1, 3, 138, 0])
y1 59
y2 197
x1 -2
y2 66
CROP ERROR: hamburg_000000_103367_13
cropped torch.Size([1, 3, 138, 0])
error saving file to cropped directory: hamburg_000000_103367_13
```

```
bbox_width 62
bbox_height 206
case 1
crop size torch.Size([1, 3, 206, 0])
y1 26
y2 232
x1 -13
y2 89
CROP ERROR: aachen_000046_000019_1
cropped torch.Size([1, 3, 206, 0])
error saving file to cropped directory: aachen_000046_000019_1
```

```
bbox_width 54
bbox_height 173
case 1
crop size torch.Size([1, 3, 174, 0])
y1 41
y2 215
x1 -9
y2 77
CROP ERROR: hamburg_000000_054850_8
cropped torch.Size([1, 3, 174, 0])
error saving file to cropped directory: hamburg_000000_054850_8
```

```
bbox_width 47
bbox_height 198
case 1
crop size torch.Size([1, 3, 198, 0])
y1 30
y2 228
x1 -19
y2 79
CROP ERROR: cologne_000148_000019_3
cropped torch.Size([1, 3, 198, 0])
error saving file to cropped directory: cologne_000148_000019_3
```

```
bbox_width 65
bbox_height 203
case 1
crop size torch.Size([1, 3, 204, 0])
y1 26
y2 230
x1 -11
y2 89
CROP ERROR: frankfurt_000000_011461_1
cropped torch.Size([1, 3, 204, 0])
error saving file to cropped directory: frankfurt_000000_011461_1
```

```
bbox_width 72
bbox_height 232
case 1
crop size torch.Size([1, 3, 232, 0])
y1 13
y2 245
x1 -15
y2 101
CROP ERROR: munster_000026_000019_0
cropped torch.Size([1, 3, 232, 0])
error saving file to cropped directory: munster_000026_000019_0
(torchrid) Kaleighs-MacBook-Pro-2:deep-person-reid-master kaleighaharad$ python crop_images.py --image_dir 'datasets_1200_w40_solid/images/train' --bbox_dir 'datasets_1200_w40_solid/bbox/train'
```

```
bbox_width 46
bbox_height 125
case 1
y1 65
y2 191
x1 -1
x2 61
crop size torch.Size([1, 3, 126, 0])
y1 65
y2 191
x1 0
x2 62
CROP ERROR: hanover_000000_026356_9
cropped torch.Size([1, 3, 126, 0])
error saving file to cropped directory: hanover_000000_026356_9
```

```
bbox_width 42
bbox_height 146
case 1
y1 56
y2 202
x1 -8
x2 64
crop size torch.Size([1, 3, 146, 0])
y1 56
y2 202
x1 0
x2 72
CROP ERROR: zurich_000062_000019_5
cropped torch.Size([1, 3, 146, 0])
error saving file to cropped directory: zurich_000062_000019_5
```

```
bbox_width 48
bbox_height 207
case 1
y1 24
y2 232
x1 -20
x2 82
crop size torch.Size([1, 3, 208, 0])
y1 24
```

```
y2 232
x1 0
x2 102
CROP ERROR: munster_000049_000019_8
cropped torch.Size([1, 3, 208, 0])
error saving file to cropped directory: munster_000049_000019_8

bbox_width 57
bbox_height 147
case 1
y1 54
y2 202
x1 -1
x2 71
crop size torch.Size([1, 3, 148, 0])
y1 54
y2 202
x1 0
x2 72
CROP ERROR: darmstadt_000043_000019_2
cropped torch.Size([1, 3, 148, 0])
error saving file to cropped directory: darmstadt_000043_000019_2

bbox_width 44
bbox_height 149
case 1
y1 53
y2 203
x1 -8
x2 66
crop size torch.Size([1, 3, 150, 0])
y1 53
y2 203
x1 0
x2 74
CROP ERROR: strasbourg_000000_017283_1
cropped torch.Size([1, 3, 150, 0])
error saving file to cropped directory: strasbourg_000000_017283_1

bbox_width 54
bbox_height 187
case 1
y1 34
y2 222
x1 -12
x2 80
crop size torch.Size([1, 3, 188, 0])
y1 34
y2 222
x1 0
x2 92
CROP ERROR: erfurt_000068_000019_12
cropped torch.Size([1, 3, 188, 0])
error saving file to cropped directory: erfurt_000068_000019_12

bbox_width 57
bbox_height 180
case 1
y1 39
y2 219
x1 -10
x2 80
crop size torch.Size([1, 3, 180, 0])
y1 39
y2 219
x1 0
x2 90
CROP ERROR: monchengladbach_000000_018294_5
cropped torch.Size([1, 3, 180, 0])
error saving file to cropped directory: monchengladbach_000000_018294_5

bbox_width 50
bbox_height 137
case 1
y1 59
y2 197
x1 -2
x2 66
crop size torch.Size([1, 3, 138, 0])
y1 59
y2 197
x1 0
x2 68
CROP ERROR: hamburg_000000_103367_13
cropped torch.Size([1, 3, 138, 0])
error saving file to cropped directory: hamburg_000000_103367_13

bbox_width 62
bbox_height 206
case 1
y1 26
y2 232
x1 -13
x2 89
crop size torch.Size([1, 3, 206, 0])
y1 26
y2 232
x1 0
x2 102
CROP ERROR: aachen_000046_000019_1
cropped torch.Size([1, 3, 206, 0])
error saving file to cropped directory: aachen_000046_000019_1

bbox_width 54
bbox_height 173
case 1
y1 41
y2 215
x1 -9
x2 77
crop size torch.Size([1, 3, 174, 0])
y1 41
y2 215
x1 0
x2 86
CROP ERROR: hamburg_000000_054850_8
cropped torch.Size([1, 3, 174, 0])
error saving file to cropped directory: hamburg_000000_054850_8

bbox_width 47
bbox_height 198
case 1
y1 30
y2 228
x1 -19
x2 79
crop size torch.Size([1, 3, 198, 0])
y1 30
y2 228
x1 0
x2 98
CROP ERROR: cologne_000148_000019_3
cropped torch.Size([1, 3, 198, 0])
error saving file to cropped directory: cologne_000148_000019_3

bbox_width 65
bbox_height 203
case 1
y1 26
y2 230
```

```
x1 -11
x2 89
crop size torch.Size([1, 3, 204, 0])
y1 26
y2 230
x1 0
x2 100
CROP ERROR: frankfurt_000000_011461_1
cropped torch.Size([1, 3, 204, 0])
error saving file to cropped directory: frankfurt_000000_011461_1

bbox_width 72
bbox_height 232
case 1
y1 13
y2 245
x1 -15
x2 101
crop size torch.Size([1, 3, 232, 0])
y1 13
y2 245
x1 0
x2 116
CROP ERROR: munster_000026_000019_0
cropped torch.Size([1, 3, 232, 0])
error saving file to cropped directory: munster_000026_000019_0
(torchreid) Kaleighs-MacBook-Pro-2:deep-person-reid-master kaleighaharad$ python crop_images.py --image_dir 'datasets_1200_w40_solid/images/train' --bbox_dir 'datasets_1200_w40_solid/bbox/train'

bbox_width 46
bbox_height 125
case 1
y1 65
y2 191
x1 -1
x2 61
crop size torch.Size([1, 3, 126, 62])
y1 65
y2 191
x1 0
x2 62

bbox_width 42
bbox_height 146
case 1
y1 56
y2 202
x1 -8
x2 64
crop size torch.Size([1, 3, 146, 72])
y1 56
y2 202
x1 0
x2 72

bbox_width 48
bbox_height 207
case 1
y1 24
y2 232
x1 -20
x2 82
crop size torch.Size([1, 3, 208, 102])
y1 24
y2 232
x1 0
x2 102

bbox_width 57
bbox_height 147
case 1
y1 54
y2 202
x1 -1
x2 71
crop size torch.Size([1, 3, 148, 72])
y1 54
y2 202
x1 0
x2 72

bbox_width 44
bbox_height 149
case 1
y1 53
y2 203
x1 -8
x2 66
crop size torch.Size([1, 3, 150, 74])
y1 53
y2 203
x1 0
x2 74

bbox_width 54
bbox_height 187
case 1
y1 34
y2 222
x1 -12
x2 80
crop size torch.Size([1, 3, 188, 92])
y1 34
y2 222
x1 0
x2 92

bbox_width 57
bbox_height 180
case 1
y1 39
y2 219
x1 -10
x2 80
crop size torch.Size([1, 3, 180, 90])
y1 39
y2 219
x1 0
x2 90

bbox_width 50
bbox_height 137
case 1
y1 59
y2 197
x1 -2
x2 66
crop size torch.Size([1, 3, 138, 68])
y1 59
y2 197
x1 0
x2 68

bbox_width 62
bbox_height 206
case 1
y1 26
y2 232
x1 -13
x2 89
crop size torch.Size([1, 3, 206, 102])
```

```
y1 26
y2 232
x1 0
x2 102

bbox_width 54
bbox_height 173
case 1
y1 41
y2 215
x1 -9
x2 77
crop_size torch.Size([1, 3, 174, 86])
y1 41
y2 215
x1 0
x2 86

bbox_width 47
bbox_height 198
case 1
y1 30
y2 228
x1 -19
x2 79
crop_size torch.Size([1, 3, 198, 88])
y1 30
y2 228
x1 0
x2 98

bbox_width 65
bbox_height 203
case 1
y1 26
y2 230
x1 -11
x2 89
crop_size torch.Size([1, 3, 204, 100])
y1 26
y2 230
x1 0
x2 100

bbox_width 72
bbox_height 232
case 1
y1 13
y2 245
x1 -15
x2 101
crop_size torch.Size([1, 3, 232, 116])
y1 13
y2 245
x1 0
x2 116
(torchread) Kaleighs-MacBook-Pro-2:deep-person-reid-master kaleighohara$ python crop_images.py --image_dir 'datasets_1200_w40_solid/images/train' --bbox_dir 'datasets_1200_w40_solid/bbox/train'
(torchread) Kaleighs-MacBook-Pro-2:deep-person-reid-master kaleighohara$ python crop_images.py --image_dir 'datasets/images_train_fake' --bbox_dir 'datasets_1200_w40_solid/bbox/train'
(torchread) Kaleighs-MacBook-Pro-2:deep-person-reid-master kaleighohara$ python crop_images.py --image_dir 'datasets/images_train_fake' --bbox_dir 'datasets_1200_w40_solid/bbox/train'
(torchread) Kaleighs-MacBook-Pro-2:deep-person-reid-master kaleighohara$ python crop_images.py --image_dir 'datasets/images_train_fake' --bbox_dir 'datasets_1200_w40_solid/bbox/train'
(torchread) Kaleighs-MacBook-Pro-2:deep-person-reid-master kaleighohara$ python compare_features.py --image_dir 'datasets/images_different/cropped'
/Users/kaleighohara/Desktop/Thesis/REPO/AnonymizePeople/deep-person-reid-master/torchread/metrics/rank.py:12: UserWarning: Cython evaluation (very fast so highly recommended) is unavailable, now use python evaluation.
  'Cython evaluation (very fast so highly recommended) is '
image_files ['datasets/images_different/cropped/zurich_000076_000019_0.png', 'datasets/images_different/cropped/zurich_000106_000019_3.png']
target_image_files []
Successfully loaded imagenet pretrained weights from "/Users/kaleighohara/.cache/torch/checkpoints/osnet_a1x1_0_imagenet.pth"
** The following layers are discarded due to unmatched keys or layer size: ['classifier.weight', 'classifier.bias']
/Users/kaleighohara/anconda3/envs/torchread/lib/python3.7/site-packages/torch/nn/functional.py:718: UserWarning: Named tensors and all their associated APIs are an experimental feature and subject to change. Please do not use them for anything important until they are released as stable. (Triggered internally at /Users/distiller/project/conda/conda-bld/pytorch_1623459064158/work/c10/core/TensorImpl.h:1156.)
  return torch.max_pool2d(input, kernel_size, stride, padding, dilation, ceil_mode)
Model: osnet_a1x1_0
- params: 2,193,616
- flops: 978,878,352
Successfully loaded pretrained weights from "weights/osnet_a1x1_0_dukemtmcreid_256x128_amsgrad_ep90_lr0.0015_coslr_b64_fb10_softmax_labsmth_flip_jitter.pth"
** The following layers are discarded due to unmatched keys or layer size: ['classifier.weight', 'classifier.bias']

features torch.Size([2, 512])
datasets/images_different/cropped/zurich_000076_000019_0.png datasets/images_different/cropped/zurich_000106_000019_3.png
Cosine Distance: 0.3883
Euclidean Distance: 191.8076

Image pairs with lowest cosine distance
[('datasets/images_different/cropped/zurich_000076_000019_0.png', 'datasets/images_different/cropped/zurich_000106_000019_3.png'), (0.3883)]
Image pairs with highest cosine distance
[('datasets/images_different/cropped/zurich_000076_000019_0.png', 'datasets/images_different/cropped/zurich_000106_000019_3.png'), (0.3883)]

Image pairs with lowest euclidean distance
[('datasets/images_different/cropped/zurich_000076_000019_0.png', 'datasets/images_different/cropped/zurich_000106_000019_3.png'), 191.8076]
Image pairs with highest euclidean distance
[('datasets/images_different/cropped/zurich_000076_000019_0.png', 'datasets/images_different/cropped/zurich_000106_000019_3.png'), 191.8076]

(torchread) Kaleighs-MacBook-Pro-2:deep-person-reid-master kaleighohara$ python compare_features.py --image_dir 'datasets_1200_w40_solid/cropped_train' --image_dir_targets 'datasets/images_train_fake/cropped_fake_1'
/Users/kaleighohara/Desktop/Thesis/REPO/AnonymizePeople/deep-person-reid-master/torchread/metrics/rank.py:12: UserWarning: Cython evaluation (very fast so highly recommended) is unavailable, now use python evaluation.
  'Cython evaluation (very fast so highly recommended) is '
image_files ['datasets_1200_w40_solid/cropped_train/frankfurt_000001_000025_000019_0.png', 'datasets_1200_w40_solid/cropped_train/hanover_000000_031144_0.png', 'datasets_1200_w40_solid/cropped_train/strasbourg_000001_004983_6.png', 'datasets_1200_w40_solid/cropped_train/erfurt_000075_000019_0.png', 'datasets_1200_w40_solid/cropped_train/munster_000006_000019_0.png', 'datasets_1200_w40_solid/cropped_train/strasbourg_000000_014101_2.png', 'datasets_1200_w40_solid/cropped_train/frankfurt_000001_073088_1.png', 'datasets_1200_w40_solid/cropped_train/stuttgart_000029_000019_1.png', 'datasets_1200_w40_solid/cropped_train/jena_000093_000019_2.png', 'datasets_1200_w40_solid/cropped_train/jena_000049_000019_1.png', 'datasets_1200_w40_solid/cropped_train/tubingen_000060_000019_1.png', 'datasets_1200_w40_solid/cropped_train/hanover_000000_027007_5.png', 'datasets_1200_w40_solid/cropped_train/krefeld_000000_007325_1.png', 'datasets_1200_w40_solid/cropped_train/munster_000040_000019_6.png', 'datasets_1200_w40_solid/cropped_train/strasbourg_000000_015602_12.png', 'datasets_1200_w40_solid/cropped_train/cologne_000058_000019_2.png', 'datasets_1200_w40_solid/cropped_train/tubingen_000120_000019_4.png', 'datasets_1200_w40_solid/cropped_train/strasbourg_000001_042309_3.png', 'datasets_1200_w40_solid/cropped_train/frankfurt_000001_055387_18.png', 'datasets_1200_w40_solid/cropped_train/munster_000017_000019_6.png', 'datasets_1200_w40_solid/cropped_train/nonchengladbach_000001_000054_4.png', 'datasets_1200_w40_solid/cropped_train/munster_000050_000019_8.png', 'datasets_1200_w40_solid/cropped_train/strasbourg_000001_003159_6.png', 'datasets_1200_w40_solid/cropped_train/nonchengladbach_000001_000032_000019_1.png', 'datasets_1200_w40_solid/cropped_train/weimar_000092_000019_2.png', 'datasets_1200_w40_solid/cropped_train/hanover_000000_026356_9.png', 'datasets_1200_w40_solid/cropped_train/hamburg_000000_061790_21.png', 'datasets_1200_w40_solid/cropped_train/frankfurt_000001_048654_2.png', 'datasets_1200_w40_solid/cropped_train/nonchengladbach_000000_034621_1.png', 'datasets_1200_w40_solid/cropped_train/nonchengladbach_000000_010505_1.png', 'datasets_1200_w40_solid/cropped_train/strasbourg_000001_001072_2.png', 'datasets_1200_w40_solid/cropped_train/cologne_000123_000019_11.png', 'datasets_1200_w40_solid/cropped_train/hanover_000000_027481_13.png', 'datasets_1200_w40_solid/cropped_train/ulm_000091_000019_1.png', 'datasets_1200_w40_solid/cropped_train/munster_000062_000019_16.png', 'datasets_1200_w40_solid/cropped_train/hanover_000000_039470_8.png', 'datasets_1200_w40_solid/cropped_train/erfurt_000073_000019_7.png', 'datasets_1200_w40_solid/cropped_train/munster_000041_000019_1.png', 'datasets_1200_w40_solid/cropped_train/strasbourg_000001_051934_11.png', 'datasets_1200_w40_solid/cropped_train/erfurt_000032_000019_1.png', 'datasets_1200_w40_solid/cropped_train/weimar_000081_000019_4.png', 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target_image_files ['datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047.4.png']
Successfully loaded imagenet pretrained weights from "/Users/kaleighhara/.cache/torch/checkpoints/osnet_ain_x1_0_inagenet.pth"
** The following layers are discarded due to unmatched keys or layer size: ['classifier.weight', 'classifier.bias']
/Users/kaleighhara/anaconda3/envs/torchred1b/python3.7/site-packages/torch/nn/functional.py:718: UserWarning: Named tensors and all their associated APIs are an experimental feature and subject to change. Please do not use them for anything important until they are released as stable. (Triggered internally at /Users/distiller/project/conda/conda-bld/pytorch.1623459064158/work/c10/core/TensorImpl.h:1156.)
return torch.max_pool2d(input, kernel_size, stride, padding, dilation, ceil_mode)
Model: osnet_ain_x1_0
- params: 2,193,616
- flops: 978,878,352
Successfully loaded pretrained weights from "weights/osnet_ain_x1_0_dukemcgreid_256x128_omsgrad_ep90_1r0_0015_cosl_r_b64_fb10_softmax_labsmth_flip_jitter.pth"
** The following layers are discarded due to unmatched keys or layer size: ['classifier.weight', 'classifier.bias']

features torch.Size([1200, 512])
target_features torch.Size([1, 512])
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Cosine Distance: 0.4853
Euclidean Distance: 212.1604
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047.4.png datasets.1200_w40_solid/cropped_train/hanover_000000_031144.0.png
Cosine Distance: 0.4166
Euclidean Distance: 203.3605
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047.4.png datasets.1200_w40_solid/cropped_train/strasbourg_000001_040983.6.png
Cosine Distance: 0.4726
Euclidean Distance: 240.6318
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047.4.png datasets.1200_w40_solid/cropped_train/erfurt_000075_000019.0.png
Cosine Distance: 0.5343
Euclidean Distance: 255.0611
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Euclidean Distance: 244.4076
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047.4.png datasets.1200_w40_solid/cropped_train/strasbourg_000000_014101.2.png
Cosine Distance: 0.4406
Euclidean Distance: 216.6273
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047.4.png datasets.1200_w40_solid/cropped_train/frankfurt_000001_073088.1.png
Cosine Distance: 0.4138
Euclidean Distance: 199.9672
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047.4.png datasets.1200_w40_solid/cropped_train/stuttgart_000029_000019.1.png
Cosine Distance: 0.3757
Euclidean Distance: 178.5141
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047.4.png datasets.1200_w40_solid/cropped_train/jena_000092_000019.2.png
Cosine Distance: 0.4033
Euclidean Distance: 196.0269
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047.4.png datasets.1200_w40_solid/cropped_train/jena_000049_000019.1.png
Cosine Distance: 0.4648
Euclidean Distance: 227.4837
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047.4.png datasets.1200_w40_solid/cropped_train/tubingen_000060_000019.1.png
Cosine Distance: 0.485
Euclidean Distance: 228.9194
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047.4.png datasets.1200_w40_solid/cropped_train/hanover_000000_027007.5.png
Cosine Distance: 0.4371
Euclidean Distance: 214.2426
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047.4.png datasets.1200_w40_solid/cropped_train/krefeld_000000_007325.1.png
Cosine Distance: 0.4936
Euclidean Distance: 230.1845
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047.4.png datasets.1200_w40_solid/cropped_train/munster_000040_000019.6.png
Cosine Distance: 0.441
Euclidean Distance: 218.427
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047.4.png datasets.1200_w40_solid/cropped_train/strasbourg_000000_015602.12.png
Cosine Distance: 0.5536
Euclidean Distance: 243.6377
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047.4.png datasets.1200_w40_solid/cropped_train/cologne_000058_000019.2.png
Cosine Distance: 0.4176
Euclidean Distance: 201.1323
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047.4.png datasets.1200_w40_solid/cropped_train/tubingen_000120_000019.4.png
Cosine Distance: 0.4507
Euclidean Distance: 255.1956
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047.4.png datasets.1200_w40_solid/cropped_train/strasbourg_000001_042309.3.png
Cosine Distance: 0.5503
Euclidean Distance: 265.8799
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047.4.png datasets.1200_w40_solid/cropped_train/frankfurt_000001_055387.18.png
Cosine Distance: 0.4037
Euclidean Distance: 205.4262
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047.4.png datasets.1200_w40_solid/cropped_train/munster_000137_000019.6.png
Cosine Distance: 0.4766
Euclidean Distance: 207.4413
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047.4.png datasets.1200_w40_solid/cropped_train/nonchengladbach_000001_000054.4.png
Cosine Distance: 0.401
Euclidean Distance: 191.2796
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047.4.png datasets.1200_w40_solid/cropped_train/munster_000050_000019.8.png
Cosine Distance: 0.3665
Euclidean Distance: 184.6949
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047.4.png datasets.1200_w40_solid/cropped_train/strasbourg_000001_003159.6.png
Cosine Distance: 0.4419
Euclidean Distance: 207.5347
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047.4.png datasets.1200_w40_solid/cropped_train/krefeld_000000_003937.2.png
Cosine Distance: 0.4157
Euclidean Distance: 200.065
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047.4.png datasets.1200_w40_solid/cropped_train/weimar_000092_000019.2.png
Cosine Distance: 0.3884
Euclidean Distance: 186.3913

datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/hanover_000000_026356_9.png
Cosine Distance: 0.3573
Euclidean Distance: 177.6703
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/hamburg_000000_061790_21.png
Cosine Distance: 0.4612
Euclidean Distance: 207.9362
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/frankfurt_000001_048654_2.png
Cosine Distance: 0.393
Euclidean Distance: 187.2402
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/monchengladbach_000000_034621_1.png
Cosine Distance: 0.4859
Euclidean Distance: 229.7037
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/monchengladbach_000000_010505_1.png
Cosine Distance: 0.4033
Euclidean Distance: 181.4218
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/strasbourg_000001_001072_2.png
Cosine Distance: 0.4834
Euclidean Distance: 231.6855
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/cologne_000123_000019_11.png
Cosine Distance: 0.4938
Euclidean Distance: 258.7315
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/hanover_000000_027481_13.png
Cosine Distance: 0.4371
Euclidean Distance: 204.3897
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/ulm_000091_000019_1.png
Cosine Distance: 0.3621
Euclidean Distance: 189.2019
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/munster_000062_000019_16.png
Cosine Distance: 0.2733
Euclidean Distance: 126.4008
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/hanover_000000_039470_8.png
Cosine Distance: 0.4458
Euclidean Distance: 206.1917
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/erfurt_000073_000019_7.png
Cosine Distance: 0.4663
Euclidean Distance: 202.7865
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/munster_000041_000019_1.png
Cosine Distance: 0.3595
Euclidean Distance: 170.9812
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/strasbourg_000001_051934_11.png
Cosine Distance: 0.4313
Euclidean Distance: 216.3842
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/erfurt_000032_000019_1.png
Cosine Distance: 0.3778
Euclidean Distance: 174.5728
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/weimar_000081_000019_4.png
Cosine Distance: 0.3746
Euclidean Distance: 188.2848
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/aachen_000048_000019_3.png
Cosine Distance: 0.3493
Euclidean Distance: 180.4447
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/zurich_000070_000019_24.png
Cosine Distance: 0.4743
Euclidean Distance: 233.5648
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/weimar_000095_000019_2.png
Cosine Distance: 0.4884
Euclidean Distance: 232.2135
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/krefeld_000000_020933_2.png
Cosine Distance: 0.5163
Euclidean Distance: 257.5689
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/strasbourg_000000_029729_10.png
Cosine Distance: 0.4514
Euclidean Distance: 222.929
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/erfurt_000050_000019_4.png
Cosine Distance: 0.5742
Euclidean Distance: 233.3131
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/munster_000089_000019_4.png
Cosine Distance: 0.3747
Euclidean Distance: 180.3549
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/erfurt_000011_000019_2.png
Cosine Distance: 0.4757
Euclidean Distance: 218.8073
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/stuttgart_000184_000019_4.png
Cosine Distance: 0.3919
Euclidean Distance: 174.5149
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/frankfurt_000000_012868_3.png
Cosine Distance: 0.469
Euclidean Distance: 224.3947
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/strasbourg_000000_029729_11.png
Cosine Distance: 0.4693
Euclidean Distance: 247.2391
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/weimar_000095_000019_3.png
Cosine Distance: 0.4866
Euclidean Distance: 218.3214
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/erfurt_000073_000019_6.png
Cosine Distance: 0.5315
Euclidean Distance: 247.9753
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/hanover_000000_048765_1.png
Cosine Distance: 0.4751
Euclidean Distance: 219.3111
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/ulm_000091_000019_0.png
Cosine Distance: 0.475
Euclidean Distance: 231.2659
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/hanover_000000_008200_13.png
Cosine Distance: 0.5474
Euclidean Distance: 264.316
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/hamburg_000000_073389_24.png
Cosine Distance: 0.474
Euclidean Distance: 230.2725
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/hanover_000000_027481_12.png
Cosine Distance: 0.4647
Euclidean Distance: 218.2372
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/erfurt_000043_000019_3.png
Cosine Distance: 0.5337
Euclidean Distance: 249.6109
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/hamburg_000000_047220_15.png
Cosine Distance: 0.5489
Euclidean Distance: 283.1526
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/cologne_000069_000019_1.png
Cosine Distance: 0.4206
Euclidean Distance: 224.1154
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/hamburg_000000_078579_17.png
Cosine Distance: 0.4824
Euclidean Distance: 235.3474
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/hamburg_000000_061790_20.png
Cosine Distance: 0.3832
Euclidean Distance: 182.8592
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/frankfurt_000001_046272_1.png
Cosine Distance: 0.3037
Euclidean Distance: 151.397
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/zurich_000052_000019_5.png
Cosine Distance: 0.4698
Euclidean Distance: 220.3989
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/strasbourg_000000_029400_17.png
Cosine Distance: 0.4591
Euclidean Distance: 233.9605
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/weimar_000080_000019_2.png
Cosine Distance: 0.3774
Euclidean Distance: 172.9481
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/bochum_000000_003674_1.png
Cosine Distance: 0.4145
Euclidean Distance: 178.0189
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/cologne_000058_000019_3.png
Cosine Distance: 0.4818
Euclidean Distance: 233.4548
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/hanover_000000_046200_0.png
Cosine Distance: 0.3473
Euclidean Distance: 167.7307
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/hanover_000000_035768_21.png
Cosine Distance: 0.3952

Euclidean Distance: 176.9796
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/frankfurt_000001_023769_2.png
Cosine Distance: 0.3769
Euclidean Distance: 198.3209
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/zurich_000063_000019_7.png
Cosine Distance: 0.46
Euclidean Distance: 237.6135
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/cologne_000068_000019_6.png
Cosine Distance: 0.362
Euclidean Distance: 173.1187
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/strasbourg_000001_039114_5.png
Cosine Distance: 0.4726
Euclidean Distance: 259.1235
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/stuttgart_000029_000019_0.png
Cosine Distance: 0.4541
Euclidean Distance: 214.9734
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/zurich_000062_000019_16.png
Cosine Distance: 0.4308
Euclidean Distance: 224.1154
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/strasbourg_000000_014101_3.png
Cosine Distance: 0.3751
Euclidean Distance: 177.0491
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/strasbourg_000000_030941_12.png
Cosine Distance: 0.4118
Euclidean Distance: 202.0582
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/erfurt_000075_000019_1.png
Cosine Distance: 0.4857
Euclidean Distance: 217.1114
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/hanover_000000_031144_1.png
Cosine Distance: 0.4148
Euclidean Distance: 211.4141
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/strasbourg_000001_056142_3.png
Cosine Distance: 0.4869
Euclidean Distance: 223.1955
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/tubingen_000032_000019_2.png
Cosine Distance: 0.4044
Euclidean Distance: 205.1347
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/hanover_000000_027766_21.png
Cosine Distance: 0.4881
Euclidean Distance: 222.6473
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/strasbourg_000001_009333_9.png
Cosine Distance: 0.4416
Euclidean Distance: 217.574
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/krefeld_000000_032614_0.png
Cosine Distance: 0.4218
Euclidean Distance: 198.8358
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/frankfurt_000001_041664_0.png
Cosine Distance: 0.4406
Euclidean Distance: 200.8711
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/krefeld_000000_011655_0.png
Cosine Distance: 0.453
Euclidean Distance: 208.9965
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/ulm_000084_000019_3.png
Cosine Distance: 0.5098
Euclidean Distance: 255.919
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/erfurt_000055_000019_8.png
Cosine Distance: 0.4074
Euclidean Distance: 194.0645
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/darmstadt_000069_000019_8.png
Cosine Distance: 0.4625
Euclidean Distance: 220.482
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/cologne_000058_000019_1.png
Cosine Distance: 0.4574
Euclidean Distance: 223.0677
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/weimar_000080_000019_0.png
Cosine Distance: 0.4967
Euclidean Distance: 233.5947
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/krefeld_000000_030560_2.png
Cosine Distance: 0.3752
Euclidean Distance: 181.0313
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/nonchengladbach_000000_025215_0.png
Cosine Distance: 0.3863
Euclidean Distance: 180.8871
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/zurich_000001_000019_0.png
Cosine Distance: 0.4575
Euclidean Distance: 213.4777
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/strasbourg_000001_003159_5.png
Cosine Distance: 0.4421
Euclidean Distance: 207.0022
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/bremen_000241_000019_0.png
Cosine Distance: 0.4232
Euclidean Distance: 191.9615
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/munster_000143_000019_18.png
Cosine Distance: 0.3741
Euclidean Distance: 178.4401
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/weimar_000096_000019_9.png
Cosine Distance: 0.386
Euclidean Distance: 184.4093
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/aachen_000093_000019_3.png
Cosine Distance: 0.4723
Euclidean Distance: 208.9676
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/hanover_000000_032210_4.png
Cosine Distance: 0.4904
Euclidean Distance: 217.5074
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/frankfurt_000001_014565_5.png
Cosine Distance: 0.4568
Euclidean Distance: 209.1078
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/hanover_000000_029404_11.png
Cosine Distance: 0.5285
Euclidean Distance: 248.7577
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/aachen_000017_000019_13.png
Cosine Distance: 0.4341
Euclidean Distance: 194.9353
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/munster_000143_000019_9.png
Cosine Distance: 0.4657
Euclidean Distance: 212.1408
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/weimar_000092_000019_1.png
Cosine Distance: 0.4477
Euclidean Distance: 217.2457
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/nonchengladbach_000000_010505_2.png
Cosine Distance: 0.4209
Euclidean Distance: 193.8306
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/strasbourg_000001_001072_1.png
Cosine Distance: 0.4605
Euclidean Distance: 192.4626
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/ulm_000091_000019_2.png
Cosine Distance: 0.4719
Euclidean Distance: 245.5673
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/cologne_000123_000019_12.png
Cosine Distance: 0.3432
Euclidean Distance: 165.2303
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/hanover_000000_029455_9.png
Cosine Distance: 0.4558
Euclidean Distance: 224.1895
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/munster_000000_000019_4.png
Cosine Distance: 0.4728
Euclidean Distance: 220.1099
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/strasbourg_000001_051934_12.png
Cosine Distance: 0.4082
Euclidean Distance: 199.4073
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/frankfurt_000001_055306_7.png
Cosine Distance: 0.4047
Euclidean Distance: 216.1189
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/hamburg_000000_086636_6.png
Cosine Distance: 0.5079
Euclidean Distance: 239.5762
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/hanover_000000_046398_2.png
Cosine Distance: 0.4243
Euclidean Distance: 199.683
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/tubingen_000003_000019_0.png

Cosine Distance: 0.4507
Euclidean Distance: 209.7296
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/weimar_000095_000019_1.png
Cosine Distance: 0.4033
Euclidean Distance: 189.5683
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/dusseldorf_000067_000019_4.png
Cosine Distance: 0.4978
Euclidean Distance: 265.3492
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/hamburg_000000_085073_4.png
Cosine Distance: 0.4474
Euclidean Distance: 225.5982
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/strasbourg_000000_028628_19.png
Cosine Distance: 0.3689
Euclidean Distance: 187.6442
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/zurich_000003_000019_20.png
Cosine Distance: 0.4521
Euclidean Distance: 217.3456
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/erfurt_000011_000019_0.png
Cosine Distance: 0.3827
Euclidean Distance: 179.3405
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/weimar_000099_000019_11.png
Cosine Distance: 0.4201
Euclidean Distance: 194.686
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/weimar_000095_000019_0.png
Cosine Distance: 0.4839
Euclidean Distance: 239.3599
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/hanover_000000_046398_3.png
Cosine Distance: 0.362
Euclidean Distance: 181.1747
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/strasbourg_000000_029729_12.png
Cosine Distance: 0.4334
Euclidean Distance: 208.9219
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/hamburg_000000_086636_7.png
Cosine Distance: 0.4971
Euclidean Distance: 239.7918
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/hamburg_000000_070334_5.png
Cosine Distance: 0.5152
Euclidean Distance: 242.3091
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/strasbourg_000000_028912_11.png
Cosine Distance: 0.4763
Euclidean Distance: 217.7677
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/strasbourg_000001_051934_13.png
Cosine Distance: 0.4525
Euclidean Distance: 206.176
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/aachen_000094_000019_2.png
Cosine Distance: 0.5247
Euclidean Distance: 242.5599
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/cologne_000123_000019_13.png
Cosine Distance: 0.4032
Euclidean Distance: 200.2825
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/aachen_000019_000019_9.png
Cosine Distance: 0.4788
Euclidean Distance: 236.3841
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/dusseldorf_000176_000019_8.png
Cosine Distance: 0.5145
Euclidean Distance: 255.4129
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/krefeld_000000_026580_0.png
Cosine Distance: 0.5624
Euclidean Distance: 278.3693
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/cologne_000069_000019_2.png
Cosine Distance: 0.5804
Euclidean Distance: 263.1267
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/bremen_000082_000019_2.png
Cosine Distance: 0.4626
Euclidean Distance: 225.0431
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/aachen_000017_000019_12.png
Cosine Distance: 0.3906
Euclidean Distance: 186.1517
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/jena_000078_000019_1.png
Cosine Distance: 0.4459
Euclidean Distance: 226.7628
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/frankfurt_000001_046272_2.png
Cosine Distance: 0.514
Euclidean Distance: 258.4271
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/zurich_000013_000019_0.png
Cosine Distance: 0.4586
Euclidean Distance: 198.7022
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/munster_000046_000019_3.png
Cosine Distance: 0.445
Euclidean Distance: 226.5995
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/hamburg_000000_048138_9.png
Cosine Distance: 0.4707
Euclidean Distance: 211.9238
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/hanover_000000_032210_5.png
Cosine Distance: 0.423
Euclidean Distance: 191.2278
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/frankfurt_000001_055538_9.png
Cosine Distance: 0.4204
Euclidean Distance: 191.8823
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/weimar_000096_000019_8.png
Cosine Distance: 0.4753
Euclidean Distance: 242.1205
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/erfurt_000051_000019_1.png
Cosine Distance: 0.5232
Euclidean Distance: 228.9736
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/munster_000137_000019_4.png
Cosine Distance: 0.4023
Euclidean Distance: 189.5961
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/weimar_000080_000019_1.png
Cosine Distance: 0.5336
Euclidean Distance: 262.5564
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/monchengladbach_000000_025215_1.png
Cosine Distance: 0.4602
Euclidean Distance: 203.759
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/strasbourg_000000_015602_10.png
Cosine Distance: 0.4519
Euclidean Distance: 219.0864
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/dusseldorf_000045_000019_1.png
Cosine Distance: 0.5527
Euclidean Distance: 238.4459
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/dusseldorf_000010_000019_1.png
Cosine Distance: 0.4571
Euclidean Distance: 229.1344
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/frankfurt_000001_077434_5.png
Cosine Distance: 0.4648
Euclidean Distance: 228.1237
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/krefeld_000000_032614_1.png
Cosine Distance: 0.5055
Euclidean Distance: 240.2278
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/munster_000147_000019_18.png
Cosine Distance: 0.4555
Euclidean Distance: 203.3278
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/hanover_000000_027766_20.png
Cosine Distance: 0.4504
Euclidean Distance: 198.0574
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/frankfurt_000000_009969_5.png
Cosine Distance: 0.5287
Euclidean Distance: 262.7613
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/hanover_000000_031144_2.png
Cosine Distance: 0.4725
Euclidean Distance: 211.9866
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/frankfurt_000001_057954_0.png
Cosine Distance: 0.4488
Euclidean Distance: 231.4539
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/hanover_000000_031144_6.png
Cosine Distance: 0.4765
Euclidean Distance: 219.6765
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/tubingen_000073_000019_1.png
Cosine Distance: 0.4663
Euclidean Distance: 194.6329

datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/hanover_000000_040221_7.png
Cosine Distance: 0.5069
Euclidean Distance: 242.2815
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/hamburg_000000_088627_2.png
Cosine Distance: 0.5324
Euclidean Distance: 241.4202
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/monchengladbach_000000_007851_2.png
Cosine Distance: 0.4601
Euclidean Distance: 233.7533
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/jena_000092_000019_4.png
Cosine Distance: 0.3765
Euclidean Distance: 179.2986
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/hanover_000000_023276_5.png
Cosine Distance: 0.4549
Euclidean Distance: 215.2615
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/frankfurt_000001_034047_17.png
Cosine Distance: 0.3448
Euclidean Distance: 176.4045
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/hamburg_000000_044400_2.png
Cosine Distance: 0.4191
Euclidean Distance: 203.4403
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/frankfurt_000001_012038_9.png
Cosine Distance: 0.4233
Euclidean Distance: 196.799
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/zurich_000114_000019_0.png
Cosine Distance: 0.4525
Euclidean Distance: 230.0186
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/hanover_000000_027650_19.png
Cosine Distance: 0.4822
Euclidean Distance: 252.7763
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/zurich_000067_000019_8.png
Cosine Distance: 0.5188
Euclidean Distance: 245.4568
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/jena_000082_000019_12.png
Cosine Distance: 0.4787
Euclidean Distance: 233.3112
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/frankfurt_000001_067474_6.png
Cosine Distance: 0.4366
Euclidean Distance: 199.5932
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/ulm_000028_000019_1.png
Cosine Distance: 0.454
Euclidean Distance: 207.8386
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/weimar_000027_000019_10.png
Cosine Distance: 0.412
Euclidean Distance: 198.8353
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/frankfurt_000001_055387_6.png
Cosine Distance: 0.4598
Euclidean Distance: 223.6638
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/erfurt_000043_000019_4.png
Cosine Distance: 0.3517
Euclidean Distance: 153.1288
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/erfurt_000073_000019_12.png
Cosine Distance: 0.3716
Euclidean Distance: 176.6293
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/strasbourg_000001_051934_17.png
Cosine Distance: 0.5508
Euclidean Distance: 272.8676
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/hamburg_000000_024251_4.png
Cosine Distance: 0.4959
Euclidean Distance: 234.3401
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/erfurt_000050_000019_2.png
Cosine Distance: 0.3341
Euclidean Distance: 152.581
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/hamburg_000000_047057_34.png
Cosine Distance: 0.3039
Euclidean Distance: 141.4818
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/dusseldorf_000172_000019_4.png
Cosine Distance: 0.4518
Euclidean Distance: 206.2776
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/tubingen_000042_000019_2.png
Cosine Distance: 0.4879
Euclidean Distance: 221.6672
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/strasbourg_000000_029729_17.png
Cosine Distance: 0.5489
Euclidean Distance: 253.4139
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/strasbourg_000000_006995_7.png
Cosine Distance: 0.4152
Euclidean Distance: 197.2402
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/strasbourg_000000_029339_24.png
Cosine Distance: 0.3693
Euclidean Distance: 173.3528
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/munster_000101_000019_3.png
Cosine Distance: 0.4343
Euclidean Distance: 220.4292
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/hamburg_000000_024251_5.png
Cosine Distance: 0.511
Euclidean Distance: 232.615
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/munster_000014_000019_6.png
Cosine Distance: 0.5261
Euclidean Distance: 263.741
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/strasbourg_000001_016253_3.png
Cosine Distance: 0.3461
Euclidean Distance: 183.9597
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/aachen_000017_000019_17.png
Cosine Distance: 0.4433
Euclidean Distance: 195.6277
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/strasbourg_000000_033129_7.png
Cosine Distance: 0.5229
Euclidean Distance: 290.2903
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/krefeld_000000_017042_2.png
Cosine Distance: 0.4812
Euclidean Distance: 213.0625
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/hanover_000000_029404_15.png
Cosine Distance: 0.3847
Euclidean Distance: 187.2638
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/hamburg_000000_078579_11.png
Cosine Distance: 0.3706
Euclidean Distance: 177.4674
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/hamburg_000000_045908_46.png
Cosine Distance: 0.4634
Euclidean Distance: 245.3357
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/erfurt_000043_000019_5.png
Cosine Distance: 0.4774
Euclidean Distance: 224.8618
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/hamburg_000000_080674_1.png
Cosine Distance: 0.4071
Euclidean Distance: 192.4301
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/weimar_000027_000019_11.png
Cosine Distance: 0.4577
Euclidean Distance: 218.7612
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/aachen_000138_000019_4.png
Cosine Distance: 0.3579
Euclidean Distance: 168.835
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/zurich_000114_000019_1.png
Cosine Distance: 0.5436
Euclidean Distance: 276.7171
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/hamburg_000000_081299_11.png
Cosine Distance: 0.4251
Euclidean Distance: 215.3239
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/jena_000092_000019_5.png
Cosine Distance: 0.4579
Euclidean Distance: 232.6839
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/strasbourg_000001_030120_6.png
Cosine Distance: 0.4571
Euclidean Distance: 214.4241
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/strasbourg_000000_020432_5.png
Cosine Distance: 0.4838
Euclidean Distance: 239.4691
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/frankfurt_000001_064798_0.png
Cosine Distance: 0.526

Euclidean Distance: 243.4432
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/hamburg_000000_029676_8.png
Cosine Distance: 0.4999
Euclidean Distance: 234.9661
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/hanover_000000_027766_19.png
Cosine Distance: 0.4721
Euclidean Distance: 211.2424
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/erfurt_000061_000019_1.png
Cosine Distance: 0.4632
Euclidean Distance: 222.191
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/hanover_000000_014919_1.png
Cosine Distance: 0.4579
Euclidean Distance: 243.9081
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/hamburg_000000_074267_16.png
Cosine Distance: 0.422
Euclidean Distance: 207.6387
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/hanover_000000_041610_1.png
Cosine Distance: 0.3392
Euclidean Distance: 171.4659
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/lindau_000020_000019_0.png
Cosine Distance: 0.5674
Euclidean Distance: 276.7462
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/bremen_000252_000019_0.png
Cosine Distance: 0.4502
Euclidean Distance: 203.6156
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/monchengladbach_000000_007851_1.png
Cosine Distance: 0.4281
Euclidean Distance: 218.6796
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/tubingen_000050_000019_1.png
Cosine Distance: 0.5308
Euclidean Distance: 246.0052
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/hamburg_000000_028056_14.png
Cosine Distance: 0.5616
Euclidean Distance: 271.4955
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/hanover_000000_023276_6.png
Cosine Distance: 0.4914
Euclidean Distance: 204.265
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/zurich_000077_000019_5.png
Cosine Distance: 0.3952
Euclidean Distance: 180.0676
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/hamburg_000000_053866_10.png
Cosine Distance: 0.4121
Euclidean Distance: 230.6343
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/munster_000036_000019_0.png
Cosine Distance: 0.5777
Euclidean Distance: 285.3143
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/bremen_000084_000019_2.png
Cosine Distance: 0.4305
Euclidean Distance: 197.9643
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/krefeld_000000_020033_4.png
Cosine Distance: 0.4527
Euclidean Distance: 228.1221
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/strasbourg_000000_010816_0.png
Cosine Distance: 0.4366
Euclidean Distance: 195.8527
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/munster_000046_000019_4.png
Cosine Distance: 0.4598
Euclidean Distance: 213.211
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/frankfurt_000001_067474_5.png
Cosine Distance: 0.5839
Euclidean Distance: 272.7578
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/hanover_000000_009004_0.png
Cosine Distance: 0.5179
Euclidean Distance: 249.2891
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/frankfurt_000001_055387_5.png
Cosine Distance: 0.4753
Euclidean Distance: 229.4898
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/weimar_000028_000019_9.png
Cosine Distance: 0.4322
Euclidean Distance: 210.5213
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/strasbourg_000000_035008_0.png
Cosine Distance: 0.5518
Euclidean Distance: 265.4899
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/munster_000048_000019_12.png
Cosine Distance: 0.405
Euclidean Distance: 205.7785
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/krefeld_000000_017042_0.png
Cosine Distance: 0.4699
Euclidean Distance: 205.1266
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/stuttgart_000158_000019_3.png
Cosine Distance: 0.4585
Euclidean Distance: 225.1414
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/strasbourg_000001_051317_23.png
Cosine Distance: 0.5377
Euclidean Distance: 256.1786
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/zurich_000089_000019_2.png
Cosine Distance: 0.3973
Euclidean Distance: 192.9665
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/hamburg_000000_024251_7.png
Cosine Distance: 0.4462
Euclidean Distance: 217.8931
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/hanover_000000_019672_1.png
Cosine Distance: 0.4341
Euclidean Distance: 186.9612
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/bremen_000201_000019_7.png
Cosine Distance: 0.4739
Euclidean Distance: 214.8965
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/hanover_000000_040294_15.png
Cosine Distance: 0.4309
Euclidean Distance: 193.0304
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/hamburg_000000_047057_37.png
Cosine Distance: 0.3437
Euclidean Distance: 170.006
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/weimar_000099_000019_16.png
Cosine Distance: 0.5366
Euclidean Distance: 260.9474
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/stuttgart_000184_000019_0.png
Cosine Distance: 0.4041
Euclidean Distance: 166.2679
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/hanover_000000_046398_4.png
Cosine Distance: 0.4229
Euclidean Distance: 216.0327
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/tubingen_000003_000019_6.png
Cosine Distance: 0.4664
Euclidean Distance: 239.463
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/zurich_000070_000019_21.png
Cosine Distance: 0.4803
Euclidean Distance: 221.2648
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/aachen_000009_000019_0.png
Cosine Distance: 0.4885
Euclidean Distance: 222.65
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/strasbourg_000000_029729_14.png
Cosine Distance: 0.4077
Euclidean Distance: 184.3071
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/strasbourg_000000_029729_9.png
Cosine Distance: 0.4193
Euclidean Distance: 204.5415
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/ulm_000059_000019_0.png
Cosine Distance: 0.5652
Euclidean Distance: 263.209
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/zurich_000070_000019_20.png
Cosine Distance: 0.3844
Euclidean Distance: 202.4297
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/weimar_000081_000019_0.png
Cosine Distance: 0.4316
Euclidean Distance: 195.2099
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/hamburg_000000_062371_18.png
Cosine Distance: 0.3563
Euclidean Distance: 195.959
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/munster_000023_000019_0.png

Cosine Distance: 0.5184
Euclidean Distance: 238.5724
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/weimar_000099_000019_17.png
Cosine Distance: 0.5259
Euclidean Distance: 242.3377
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/hamburg_000000_047057_36.png
Cosine Distance: 0.3674
Euclidean Distance: 196.125
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/hanover_000000_019672_0.png
Cosine Distance: 0.5163
Euclidean Distance: 238.4124
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/stuttgart_000189_000019_18.png
Cosine Distance: 0.4089
Euclidean Distance: 211.6144
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/strasbourg_000000_006995_4.png
Cosine Distance: 0.4357
Euclidean Distance: 229.2159
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/zurich_000062_000019_5.png
Cosine Distance: 0.5719
Euclidean Distance: 256.5274
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/zurich_000089_000019_3.png
Cosine Distance: 0.4684
Euclidean Distance: 240.4683
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/hamburg_000000_053563_38.png
Cosine Distance: 0.4581
Euclidean Distance: 213.6712
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/hamburg_000000_070334_3.png
Cosine Distance: 0.4959
Euclidean Distance: 238.9976
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/krefeld_000000_017642_1.png
Cosine Distance: 0.5566
Euclidean Distance: 266.0987
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/aachen_000017_000019_14.png
Cosine Distance: 0.4886
Euclidean Distance: 241.4794
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/munster_000048_000019_13.png
Cosine Distance: 0.4409
Euclidean Distance: 212.094
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/hamburg_000000_069417_3.png
Cosine Distance: 0.3905
Euclidean Distance: 190.2822
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/hamburg_000000_078579_12.png
Cosine Distance: 0.4896
Euclidean Distance: 235.5397
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/strasbourg_000000_035008_1.png
Cosine Distance: 0.4908
Euclidean Distance: 237.8237
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/weimar_000028_000019_8.png
Cosine Distance: 0.4778
Euclidean Distance: 232.2744
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/jena_000082_000019_10.png
Cosine Distance: 0.5283
Euclidean Distance: 242.0919
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/strasbourg_000001_003159_2.png
Cosine Distance: 0.3703
Euclidean Distance: 211.1298
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/zurich_000114_000019_2.png
Cosine Distance: 0.4789
Euclidean Distance: 224.6475
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/jena_000008_000019_3.png
Cosine Distance: 0.4191
Euclidean Distance: 200.3814
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/frankfurt_000001_016029_9.png
Cosine Distance: 0.5102
Euclidean Distance: 234.2655
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/stuttgart_000019_000019_0.png
Cosine Distance: 0.5348
Euclidean Distance: 275.0663
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/hamburg_000000_028056_15.png
Cosine Distance: 0.4658
Euclidean Distance: 229.7444
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/tubingen_000050_000019_0.png
Cosine Distance: 0.4235
Euclidean Distance: 211.3824
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/monchengladbach_000000_007851_0.png
Cosine Distance: 0.421
Euclidean Distance: 214.5241
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/frankfurt_000001_067178_4.png
Cosine Distance: 0.491
Euclidean Distance: 213.9672
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/bremen_000100_000019_24.png
Cosine Distance: 0.5222
Euclidean Distance: 248.4446
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/jena_000092_000019_6.png
Cosine Distance: 0.3101
Euclidean Distance: 150.7319
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/strasbourg_000001_052544_0.png
Cosine Distance: 0.4362
Euclidean Distance: 235.6877
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/hamburg_000000_088939_9.png
Cosine Distance: 0.4836
Euclidean Distance: 236.42
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/hanover_000000_040221_5.png
Cosine Distance: 0.5894
Euclidean Distance: 290.7755
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/strasbourg_000001_056142_4.png
Cosine Distance: 0.5506
Euclidean Distance: 245.0775
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/hanover_000000_031144_4.png
Cosine Distance: 0.4638
Euclidean Distance: 221.3244
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/hanover_000000_041610_0.png
Cosine Distance: 0.4432
Euclidean Distance: 236.5327
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/aachen_000139_000019_0.png
Cosine Distance: 0.4582
Euclidean Distance: 232.6276
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/hamburg_000000_074267_17.png
Cosine Distance: 0.4487
Euclidean Distance: 225.1362
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/munster_000012_000019_2.png
Cosine Distance: 0.4314
Euclidean Distance: 205.7537
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/frankfurt_000001_034047_4.png
Cosine Distance: 0.2803
Euclidean Distance: 152.832
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/aachen_000033_000019_4.png
Cosine Distance: 0.4146
Euclidean Distance: 196.2138
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/jena_000045_000019_2.png
Cosine Distance: 0.4885
Euclidean Distance: 234.9344
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/krefeld_000000_015868_1.png
Cosine Distance: 0.4204
Euclidean Distance: 196.096
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/strasbourg_000000_025351_0.png
Cosine Distance: 0.5166
Euclidean Distance: 239.9878
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/munster_000042_000019_13.png
Cosine Distance: 0.4052
Euclidean Distance: 224.287
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/weimar_000098_000019_6.png
Cosine Distance: 0.5139
Euclidean Distance: 241.2068
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/krefeld_000000_010160_1.png
Cosine Distance: 0.4696
Euclidean Distance: 203.4687
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/jena_000027_000019_7.png
Cosine Distance: 0.5259
Euclidean Distance: 247.9861

datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/strasbourg_000001_040981_1.png
Cosine Distance: 0.4017
Euclidean Distance: 202.2576
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/hamburg_000000_053776_11.png
Cosine Distance: 0.499
Euclidean Distance: 245.0791
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/munster_000029_000019_0.png
Cosine Distance: 0.3821
Euclidean Distance: 183.6934
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/munster_000139_000019_20.png
Cosine Distance: 0.4437
Euclidean Distance: 201.3189
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/strasbourg_000001_053579_23.png
Cosine Distance: 0.408
Euclidean Distance: 223.2672
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/stuttgart_000031_000019_4.png
Cosine Distance: 0.3401
Euclidean Distance: 183.8347
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/strasbourg_000000_017761_2.png
Cosine Distance: 0.4575
Euclidean Distance: 215.2273
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/hanover_000000_046732_0.png
Cosine Distance: 0.4698
Euclidean Distance: 229.3444
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/weimar_000111_000019_1.png
Cosine Distance: 0.4234
Euclidean Distance: 226.2158
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/hanover_000000_024136_1.png
Cosine Distance: 0.4512
Euclidean Distance: 221.9298
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/jena_000073_000019_0.png
Cosine Distance: 0.4727
Euclidean Distance: 201.2439
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/zurich_000059_000019_7.png
Cosine Distance: 0.383
Euclidean Distance: 186.1408
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/munster_000052_000019_17.png
Cosine Distance: 0.4582
Euclidean Distance: 215.5173
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/strasbourg_000001_035276_2.png
Cosine Distance: 0.4447
Euclidean Distance: 201.5785
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/strasbourg_000001_045135_0.png
Cosine Distance: 0.4011
Euclidean Distance: 185.0065
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/zurich_000018_000019_1.png
Cosine Distance: 0.4329
Euclidean Distance: 206.2868
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/weimar_000099_000019_1.png
Cosine Distance: 0.4446
Euclidean Distance: 209.3883
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/strasbourg_000001_035562_6.png
Cosine Distance: 0.4425
Euclidean Distance: 207.5733
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/jena_000057_000019_3.png
Cosine Distance: 0.4189
Euclidean Distance: 199.8197
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/weimar_000017_000019_2.png
Cosine Distance: 0.4654
Euclidean Distance: 222.7215
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/cologne_000106_000019_5.png
Cosine Distance: 0.391
Euclidean Distance: 193.5649
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/weimar_000042_000019_2.png
Cosine Distance: 0.4777
Euclidean Distance: 217.1014
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/hamburg_000000_080169_8.png
Cosine Distance: 0.476
Euclidean Distance: 235.9822
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/dusseldorf_000078_000019_2.png
Cosine Distance: 0.4598
Euclidean Distance: 217.5154
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/hamburg_000000_053486_10.png
Cosine Distance: 0.4925
Euclidean Distance: 240.1778
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/jena_000021_000019_0.png
Cosine Distance: 0.4905
Euclidean Distance: 213.4308
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/strasbourg_000001_003489_0.png
Cosine Distance: 0.4721
Euclidean Distance: 244.17
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/strasbourg_000001_003489_1.png
Cosine Distance: 0.4571
Euclidean Distance: 222.8217
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/darmstadt_000067_000019_6.png
Cosine Distance: 0.4594
Euclidean Distance: 212.644
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/hamburg_000000_073672_16.png
Cosine Distance: 0.496
Euclidean Distance: 233.7892
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/aachen_000019_000019_14.png
Cosine Distance: 0.3131
Euclidean Distance: 141.9688
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/zurich_000018_000019_0.png
Cosine Distance: 0.4795
Euclidean Distance: 229.0145
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/hamburg_000000_047108_24.png
Cosine Distance: 0.4394
Euclidean Distance: 217.6767
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/ulm_000014_000019_0.png
Cosine Distance: 0.4488
Euclidean Distance: 216.9357
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/hanover_000000_024136_0.png
Cosine Distance: 0.3413
Euclidean Distance: 185.2033
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/bremen_000037_000019_4.png
Cosine Distance: 0.4066
Euclidean Distance: 217.0152
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/cologne_000101_000019_4.png
Cosine Distance: 0.5295
Euclidean Distance: 257.906
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/bremen_000140_000019_4.png
Cosine Distance: 0.4375
Euclidean Distance: 199.5081
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/weimar_000111_000019_0.png
Cosine Distance: 0.4673
Euclidean Distance: 226.138
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/hanover_000000_013205_2.png
Cosine Distance: 0.4717
Euclidean Distance: 228.7126
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/stuttgart_000107_000019_3.png
Cosine Distance: 0.4809
Euclidean Distance: 226.0676
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/krefeld_000000_010160_0.png
Cosine Distance: 0.463
Euclidean Distance: 203.5591
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/weimar_000098_000019_7.png
Cosine Distance: 0.4
Euclidean Distance: 189.8247
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/hamburg_000000_098862_13.png
Cosine Distance: 0.4855
Euclidean Distance: 212.3992
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/strasbourg_000001_032660_0.png
Cosine Distance: 0.4921
Euclidean Distance: 225.2945
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/dusseldorf_000211_000019_0.png
Cosine Distance: 0.4706
Euclidean Distance: 235.6989
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/darmstadt_000061_000019_1.png
Cosine Distance: 0.5042

Euclidean Distance: 223.2283
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/zurich_000051_000019_12.png
Cosine Distance: 0.4105
Euclidean Distance: 208.2657
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/krefeld_000000_015868_0.png
Cosine Distance: 0.4459
Euclidean Distance: 202.103
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/cologne_000127_000019_8.png
Cosine Distance: 0.3717
Euclidean Distance: 184.3104
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/jena_000051_000019_5.png
Cosine Distance: 0.4555
Euclidean Distance: 216.2053
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/weimar_000050_000019_2.png
Cosine Distance: 0.5393
Euclidean Distance: 236.5804
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/monchengladbach_000000_020303_0.png
Cosine Distance: 0.4669
Euclidean Distance: 242.2339
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/frankfurt_000001_012870_6.png
Cosine Distance: 0.3662
Euclidean Distance: 176.3885
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/munster_000057_000019_19.png
Cosine Distance: 0.4877
Euclidean Distance: 222.871
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/strasbourg_000000_006621_1.png
Cosine Distance: 0.4678
Euclidean Distance: 234.7871
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/frankfurt_000001_034047_5.png
Cosine Distance: 0.4318
Euclidean Distance: 207.6159
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/hanover_000000_038855_5.png
Cosine Distance: 0.4865
Euclidean Distance: 219.5202
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/frankfurt_000001_034047_7.png
Cosine Distance: 0.3999
Euclidean Distance: 199.3568
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/jena_000051_000019_7.png
Cosine Distance: 0.4366
Euclidean Distance: 208.8304
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/jena_000010_000019_1.png
Cosine Distance: 0.498
Euclidean Distance: 242.2307
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/strasbourg_000001_052497_11.png
Cosine Distance: 0.4698
Euclidean Distance: 229.9872
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/hanover_000000_056142_4.png
Cosine Distance: 0.367
Euclidean Distance: 172.1235
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/monchengladbach_000000_005138_0.png
Cosine Distance: 0.5062
Euclidean Distance: 241.8729
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/bremen_000218_000019_3.png
Cosine Distance: 0.5675
Euclidean Distance: 268.6945
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/krefeld_000000_015868_2.png
Cosine Distance: 0.5174
Euclidean Distance: 247.6603
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/jena_000027_000019_4.png
Cosine Distance: 0.4693
Euclidean Distance: 216.6316
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/bremen_000162_000019_2.png
Cosine Distance: 0.4338
Euclidean Distance: 206.9081
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/stuttgart_000077_000019_1.png
Cosine Distance: 0.4485
Euclidean Distance: 243.1006
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/frankfurt_000001_012870_11.png
Cosine Distance: 0.4268
Euclidean Distance: 193.3637
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/strasbourg_000001_002949_8.png
Cosine Distance: 0.4656
Euclidean Distance: 227.5743
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/krefeld_000000_027954_0.png
Cosine Distance: 0.4322
Euclidean Distance: 220.4305
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/munster_000148_000019_12.png
Cosine Distance: 0.4772
Euclidean Distance: 225.9082
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/hamburg_000000_073758_10.png
Cosine Distance: 0.3904
Euclidean Distance: 201.4033
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/weimar_000098_000019_5.png
Cosine Distance: 0.5025
Euclidean Distance: 235.4731
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/jena_000102_000019_4.png
Cosine Distance: 0.515
Euclidean Distance: 231.991
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/strasbourg_000001_040981_2.png
Cosine Distance: 0.493
Euclidean Distance: 245.8829
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/weimar_000002_000019_0.png
Cosine Distance: 0.4793
Euclidean Distance: 209.5798
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/hamburg_000000_098400_23.png
Cosine Distance: 0.4701
Euclidean Distance: 217.4529
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/strasbourg_000001_000778_1.png
Cosine Distance: 0.5718
Euclidean Distance: 249.5235
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/strasbourg_000001_053579_20.png
Cosine Distance: 0.4625
Euclidean Distance: 212.836
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/ulm_000053_000019_3.png
Cosine Distance: 0.4707
Euclidean Distance: 227.5406
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/tubingen_000048_000019_2.png
Cosine Distance: 0.4605
Euclidean Distance: 210.9407
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/hanover_000000_055937_0.png
Cosine Distance: 0.4521
Euclidean Distance: 221.793
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/strasbourg_000001_062691_0.png
Cosine Distance: 0.5343
Euclidean Distance: 244.5069
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/strasbourg_000001_060173_0.png
Cosine Distance: 0.5553
Euclidean Distance: 269.3993
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/zurich_000119_000019_1.png
Cosine Distance: 0.478
Euclidean Distance: 234.4791
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/weimar_000033_000019_2.png
Cosine Distance: 0.469
Euclidean Distance: 226.0977
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/hamburg_000000_069177_62.png
Cosine Distance: 0.5224
Euclidean Distance: 235.5013
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/hamburg_000000_062964_4.png
Cosine Distance: 0.4802
Euclidean Distance: 233.2014
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/hanover_000000_056361_6.png
Cosine Distance: 0.4479
Euclidean Distance: 204.6301
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/jena_000043_000019_6.png
Cosine Distance: 0.3329
Euclidean Distance: 166.3869
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/hanover_000000_029769_18.png
Cosine Distance: 0.5066
Euclidean Distance: 215.9936
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/weimar_000075_000019_4.png

Cosine Distance: 0.5571
Euclidean Distance: 282.42
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/stuttgart_000030_000019_1.png
Cosine Distance: 0.4557
Euclidean Distance: 214.7362
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/ulm_000013_000019_3.png
Cosine Distance: 0.4061
Euclidean Distance: 208.0632
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/weimar_000075_000019_5.png
Cosine Distance: 0.3654
Euclidean Distance: 157.7699
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/darmstadt_000067_000019_5.png
Cosine Distance: 0.4947
Euclidean Distance: 241.1862
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/hamburg_000000_073672_15.png
Cosine Distance: 0.373
Euclidean Distance: 183.7786
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/ulm_000014_000019_3.png
Cosine Distance: 0.4584
Euclidean Distance: 216.3
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/hanover_000000_042382_9.png
Cosine Distance: 0.4996
Euclidean Distance: 252.0026
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/hamburg_000000_092850_1.png
Cosine Distance: 0.4644
Euclidean Distance: 252.9009
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/hamburg_000000_022524_3.png
Cosine Distance: 0.421
Euclidean Distance: 198.8562
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/zurich_000119_000019_0.png
Cosine Distance: 0.4521
Euclidean Distance: 219.6541
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/munster_000049_000019_8.png
Cosine Distance: 0.4062
Euclidean Distance: 222.3713
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/hamburg_000000_081299_7.png
Cosine Distance: 0.4501
Euclidean Distance: 217.443
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/strasbourg_000001_062691_1.png
Cosine Distance: 0.5586
Euclidean Distance: 261.1004
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/strasbourg_000001_060173_1.png
Cosine Distance: 0.5972
Euclidean Distance: 285.8454
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/monchengladbach_000000_018575_5.png
Cosine Distance: 0.4933
Euclidean Distance: 222.6652
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/weimar_000035_000019_4.png
Cosine Distance: 0.4976
Euclidean Distance: 233.2931
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/jena_000061_000019_3.png
Cosine Distance: 0.5548
Euclidean Distance: 262.7573
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/munster_000139_000019_22.png
Cosine Distance: 0.4548
Euclidean Distance: 228.6445
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/strasbourg_000000_013944_14.png
Cosine Distance: 0.5056
Euclidean Distance: 241.3902
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/bochum_000000_016758_5.png
Cosine Distance: 0.3792
Euclidean Distance: 211.3482
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/weimar_000002_000019_1.png
Cosine Distance: 0.4816
Euclidean Distance: 213.9201
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/cologne_000152_000019_0.png
Cosine Distance: 0.4384
Euclidean Distance: 225.1928
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/krefeld_000000_027954_1.png
Cosine Distance: 0.4920
Euclidean Distance: 240.5166
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/weimar_000026_000019_2.png
Cosine Distance: 0.4023
Euclidean Distance: 191.2196
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/frankfurt_000001_051807_10.png
Cosine Distance: 0.548
Euclidean Distance: 245.0788
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/jena_000033_000019_3.png
Cosine Distance: 0.4269
Euclidean Distance: 235.503
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/frankfurt_000001_012870_10.png
Cosine Distance: 0.4845
Euclidean Distance: 228.3583
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/strasbourg_000001_057930_13.png
Cosine Distance: 0.4541
Euclidean Distance: 207.9477
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/munster_000084_000019_2.png
Cosine Distance: 0.5202
Euclidean Distance: 235.3365
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/bremen_000063_000019_0.png
Cosine Distance: 0.3734
Euclidean Distance: 192.1379
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/jena_000010_000019_0.png
Cosine Distance: 0.5341
Euclidean Distance: 266.9791
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/frankfurt_000001_034047_6.png
Cosine Distance: 0.4273
Euclidean Distance: 200.7501
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/strasbourg_000001_009246_7.png
Cosine Distance: 0.3992
Euclidean Distance: 177.1747
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/stuttgart_000180_000019_27.png
Cosine Distance: 0.3071
Euclidean Distance: 158.0906
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/hanover_000000_026804_4.png
Cosine Distance: 0.4814
Euclidean Distance: 218.5312
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/ulm_000040_000019_0.png
Cosine Distance: 0.4728
Euclidean Distance: 223.8336
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/strasbourg_000001_020904_0.png
Cosine Distance: 0.5081
Euclidean Distance: 238.4454
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/weimar_000098_000019_0.png
Cosine Distance: 0.479
Euclidean Distance: 236.03
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/frankfurt_000001_012870_28.png
Cosine Distance: 0.4037
Euclidean Distance: 205.0562
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/stuttgart_000176_000019_7.png
Cosine Distance: 0.3984
Euclidean Distance: 191.9877
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/stuttgart_000162_000019_1.png
Cosine Distance: 0.4533
Euclidean Distance: 255.0655
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/strasbourg_000001_050098_24.png
Cosine Distance: 0.4276
Euclidean Distance: 204.6652
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/aachen_000100_000019_10.png
Cosine Distance: 0.4064
Euclidean Distance: 191.203
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/jena_000024_000019_9.png
Cosine Distance: 0.4584
Euclidean Distance: 209.3851
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/frankfurt_000001_067295_18.png
Cosine Distance: 0.4674
Euclidean Distance: 232.3029
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/stuttgart_000161_000019_9.png
Cosine Distance: 0.3523
Euclidean Distance: 175.2975

datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/jena_000051_000019_10.png
Cosine Distance: 0.417
Euclidean Distance: 189.0877
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/frankfurt_000001_014741_7.png
Cosine Distance: 0.426
Euclidean Distance: 199.7797
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/tubingen_000080_000019_14.png
Cosine Distance: 0.4178
Euclidean Distance: 215.0589
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/strasbourg_000000_029179_21.png
Cosine Distance: 0.5223
Euclidean Distance: 255.7944
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/hamburg_000000_053776_17.png
Cosine Distance: 0.3663
Euclidean Distance: 172.5208
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/strasbourg_000001_053579_19.png
Cosine Distance: 0.4322
Euclidean Distance: 228.9548
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/krefeld_000000_021814_1.png
Cosine Distance: 0.4849
Euclidean Distance: 248.642
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/aachen_000116_000019_2.png
Cosine Distance: 0.5539
Euclidean Distance: 248.8877
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/krefeld_000000_008584_1.png
Cosine Distance: 0.3589
Euclidean Distance: 186.5778
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/bremen_000140_000019_3.png
Cosine Distance: 0.5664
Euclidean Distance: 286.4872
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/cologne_000126_000019_8.png
Cosine Distance: 0.477
Euclidean Distance: 206.3206
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/hanover_000000_040294_9.png
Cosine Distance: 0.4982
Euclidean Distance: 221.4777
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/hanover_000000_037298_5.png
Cosine Distance: 0.4078
Euclidean Distance: 196.9594
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/darmstadt_000043_000019_2.png
Cosine Distance: 0.3901
Euclidean Distance: 206.0114
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/weimar_000033_000019_7.png
Cosine Distance: 0.5009
Euclidean Distance: 213.8061
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/strasbourg_000001_035276_4.png
Cosine Distance: 0.442
Euclidean Distance: 195.3406
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/hamburg_000000_053776_8.png
Cosine Distance: 0.4906
Euclidean Distance: 242.8229
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/frankfurt_000001_025512_4.png
Cosine Distance: 0.5066
Euclidean Distance: 255.8524
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/aachen_000161_000019_6.png
Cosine Distance: 0.38
Euclidean Distance: 178.0009
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/jena_000117_000019_0.png
Cosine Distance: 0.5177
Euclidean Distance: 224.1082
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/hamburg_000000_079657_0.png
Cosine Distance: 0.5721
Euclidean Distance: 280.4401
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/weimar_000020_000019_1.png
Cosine Distance: 0.3984
Euclidean Distance: 195.5728
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/hamburg_000000_045704_39.png
Cosine Distance: 0.3498
Euclidean Distance: 182.5669
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/dusseldorf_000078_000019_4.png
Cosine Distance: 0.4859
Euclidean Distance: 205.7019
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/strasbourg_000000_018358_1.png
Cosine Distance: 0.5147
Euclidean Distance: 259.1075
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/jena_000060_000019_1.png
Cosine Distance: 0.3733
Euclidean Distance: 167.857
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/jena_000103_000019_7.png
Cosine Distance: 0.5351
Euclidean Distance: 259.6555
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/frankfurt_000001_025512_5.png
Cosine Distance: 0.3578
Euclidean Distance: 167.8725
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/aachen_000161_000019_7.png
Cosine Distance: 0.468
Euclidean Distance: 219.1291
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/hamburg_000000_066988_2.png
Cosine Distance: 0.4594
Euclidean Distance: 205.521
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/zurich_000069_000019_5.png
Cosine Distance: 0.4469
Euclidean Distance: 225.5315
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/jena_000057_000019_4.png
Cosine Distance: 0.4508
Euclidean Distance: 203.1909
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/hamburg_000000_053486_4.png
Cosine Distance: 0.4647
Euclidean Distance: 232.5195
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/frankfurt_000001_012699_7.png
Cosine Distance: 0.4715
Euclidean Distance: 206.7076
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/krefeld_000000_030400_1.png
Cosine Distance: 0.4877
Euclidean Distance: 219.948
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/frankfurt_000001_062016_5.png
Cosine Distance: 0.5397
Euclidean Distance: 261.6015
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/ulm_000014_000019_6.png
Cosine Distance: 0.5303
Euclidean Distance: 277.5748
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/aachen_000005_000019_1.png
Cosine Distance: 0.4832
Euclidean Distance: 255.4382
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/hamburg_000000_100300_62.png
Cosine Distance: 0.4549
Euclidean Distance: 214.2075
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/hamburg_000000_047390_16.png
Cosine Distance: 0.4335
Euclidean Distance: 209.3741
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/krefeld_000000_008584_0.png
Cosine Distance: 0.4828
Euclidean Distance: 251.6748
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/hamburg_000000_053776_16.png
Cosine Distance: 0.5208
Euclidean Distance: 248.8327
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/tubingen_000080_000019_15.png
Cosine Distance: 0.5082
Euclidean Distance: 232.803
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/aachen_000042_000019_0.png
Cosine Distance: 0.3887
Euclidean Distance: 190.1075
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/bremen_000171_000019_0.png
Cosine Distance: 0.4702
Euclidean Distance: 230.1062
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/darmstadt_000023_000019_9.png
Cosine Distance: 0.5669
Euclidean Distance: 246.0343
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/strasbourg_000001_050098_25.png
Cosine Distance: 0.4234

Euclidean Distance: 200.7649
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/weimar_000098_000019_1.png
Cosine Distance: 0.4345
Euclidean Distance: 216.901
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/jena_000072_000019_0.png
Cosine Distance: 0.4365
Euclidean Distance: 212.9213
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/jena_000089_000019_8.png
Cosine Distance: 0.5512
Euclidean Distance: 241.8282
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/stuttgart_000180_000019_26.png
Cosine Distance: 0.4031
Euclidean Distance: 196.2376
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/zurich_000084_000019_4.png
Cosine Distance: 0.4775
Euclidean Distance: 225.7685
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/frankfurt_000001_037705_17.png
Cosine Distance: 0.4108
Euclidean Distance: 184.8785
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/hanover_000000_003224_0.png
Cosine Distance: 0.4912
Euclidean Distance: 228.5569
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/hanover_000000_024276_0.png
Cosine Distance: 0.3484
Euclidean Distance: 170.174
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/cologne_000137_000019_2.png
Cosine Distance: 0.3695
Euclidean Distance: 176.1708
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/hamburg_000000_074694_7.png
Cosine Distance: 0.4587
Euclidean Distance: 213.0372
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/strasbourg_000001_052050_32.png
Cosine Distance: 0.346
Euclidean Distance: 172.7824
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/cologne_000089_000019_12.png
Cosine Distance: 0.4703
Euclidean Distance: 235.9057
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/aachen_000020_000019_7.png
Cosine Distance: 0.4227
Euclidean Distance: 199.7516
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/stuttgart_000012_000019_2.png
Cosine Distance: 0.4351
Euclidean Distance: 204.2608
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/frankfurt_000001_025921_6.png
Cosine Distance: 0.3977
Euclidean Distance: 184.0759
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/strasbourg_000001_063808_8.png
Cosine Distance: 0.3927
Euclidean Distance: 201.4861
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/krefeld_000000_017342_3.png
Cosine Distance: 0.4521
Euclidean Distance: 206.102
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/jena_000102_000019_2.png
Cosine Distance: 0.4277
Euclidean Distance: 192.225
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/bremen_000012_000019_10.png
Cosine Distance: 0.4527
Euclidean Distance: 200.8141
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/strasbourg_000000_016024_21.png
Cosine Distance: 0.5213
Euclidean Distance: 256.2327
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/krefeld_000000_008584_2.png
Cosine Distance: 0.5584
Euclidean Distance: 263.8908
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/munster_000068_000019_3.png
Cosine Distance: 0.4627
Euclidean Distance: 221.6918
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/krefeld_000000_019791_8.png
Cosine Distance: 0.4489
Euclidean Distance: 219.4824
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/stuttgart_000101_000019_0.png
Cosine Distance: 0.5638
Euclidean Distance: 292.415
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/strasbourg_000001_002081_4.png
Cosine Distance: 0.4362
Euclidean Distance: 243.8137
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/frankfurt_000001_055538_10.png
Cosine Distance: 0.5213
Euclidean Distance: 256.2616
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/strasbourg_000000_030324_1.png
Cosine Distance: 0.4304
Euclidean Distance: 200.3023
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/aachen_000107_000019_17.png
Cosine Distance: 0.4176
Euclidean Distance: 188.2479
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/erfurt_000108_000019_1.png
Cosine Distance: 0.4322
Euclidean Distance: 213.6169
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/hamburg_000000_022524_4.png
Cosine Distance: 0.5057
Euclidean Distance: 232.5654
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/strasbourg_000001_014033_9.png
Cosine Distance: 0.4276
Euclidean Distance: 201.2073
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/strasbourg_000001_051317_40.png
Cosine Distance: 0.5187
Euclidean Distance: 261.2258
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/dusseldorf_000068_000019_9.png
Cosine Distance: 0.4009
Euclidean Distance: 194.0904
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/hamburg_000000_073672_12.png
Cosine Distance: 0.4514
Euclidean Distance: 220.9607
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/stuttgart_000106_000019_0.png
Cosine Distance: 0.4141
Euclidean Distance: 203.0485
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/hamburg_000000_066988_0.png
Cosine Distance: 0.5237
Euclidean Distance: 280.3611
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/stuttgart_000161_000019_10.png
Cosine Distance: 0.6006
Euclidean Distance: 287.6246
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/frankfurt_000001_038844_3.png
Cosine Distance: 0.4111
Euclidean Distance: 187.2856
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/jena_000060_000019_3.png
Cosine Distance: 0.4942
Euclidean Distance: 227.391
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/weimar_000020_000019_2.png
Cosine Distance: 0.3942
Euclidean Distance: 209.5103
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/aachen_000111_000019_19.png
Cosine Distance: 0.4855
Euclidean Distance: 213.262
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/hanover_000000_045188_4.png
Cosine Distance: 0.4526
Euclidean Distance: 198.4305
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/darmstadt_000067_000019_3.png
Cosine Distance: 0.4567
Euclidean Distance: 241.6377
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/stuttgart_000071_000019_1.png
Cosine Distance: 0.4542
Euclidean Distance: 224.5149
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/hamburg_000000_086499_9.png
Cosine Distance: 0.3739
Euclidean Distance: 169.4164
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/frankfurt_000001_025512_6.png
Cosine Distance: 0.3389
Euclidean Distance: 176.4182
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/hanover_000000_029404_1.png

Cosine Distance: 0.5903
Euclidean Distance: 278.8597
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/hamburg_000000_073672_13.png
Cosine Distance: 0.3968
Euclidean Distance: 197.1815
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/dusseldorf_000068_000019_8.png
Cosine Distance: 0.3661
Euclidean Distance: 174.7054
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/frankfurt_000001_012699_4.png
Cosine Distance: 0.3899
Euclidean Distance: 188.209
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/hamburg_000000_070444_1.png
Cosine Distance: 0.5179
Euclidean Distance: 269.8963
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/krefeld_000000_030400_2.png
Cosine Distance: 0.4156
Euclidean Distance: 201.4507
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/stuttgart_000163_000019_4.png
Cosine Distance: 0.4481
Euclidean Distance: 211.5502
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/erfurt_000108_000019_0.png
Cosine Distance: 0.4342
Euclidean Distance: 232.9828
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/stuttgart_000076_000019_1.png
Cosine Distance: 0.4226
Euclidean Distance: 200.0339
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/strasbourg_000000_030324_0.png
Cosine Distance: 0.4011
Euclidean Distance: 186.1835
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/strasbourg_000001_008771_3.png
Cosine Distance: 0.4299
Euclidean Distance: 207.2619
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/frankfurt_000001_055538_11.png
Cosine Distance: 0.3538
Euclidean Distance: 187.0314
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/bremen_000099_000019_9.png
Cosine Distance: 0.4618
Euclidean Distance: 201.0412
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/hamburg_000000_098400_24.png
Cosine Distance: 0.2957
Euclidean Distance: 139.1776
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/munster_000139_000019_18.png
Cosine Distance: 0.4592
Euclidean Distance: 221.8451
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/erfurt_000069_000019_9.png
Cosine Distance: 0.5432
Euclidean Distance: 248.0714
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/krefeld_000000_008584_3.png
Cosine Distance: 0.4783
Euclidean Distance: 200.5811
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/strasbourg_000000_016024_20.png
Cosine Distance: 0.4537
Euclidean Distance: 225.0416
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/frankfurt_000000_020215_5.png
Cosine Distance: 0.4581
Euclidean Distance: 194.2281
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/jena_000056_000019_0.png
Cosine Distance: 0.2658
Euclidean Distance: 123.7869
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/munster_000048_000019_9.png
Cosine Distance: 0.4217
Euclidean Distance: 191.6949
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/hanover_000000_034015_4.png
Cosine Distance: 0.5234
Euclidean Distance: 265.8501
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/strasbourg_000000_028912_7.png
Cosine Distance: 0.4384
Euclidean Distance: 201.5636
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/hamburg_000000_073314_15.png
Cosine Distance: 0.3476
Euclidean Distance: 172.7775
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/bremen_000026_000019_8.png
Cosine Distance: 0.4045
Euclidean Distance: 196.9678
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/hanover_000000_038855_0.png
Cosine Distance: 0.388
Euclidean Distance: 176.8473
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/dusseldorf_000190_000019_1.png
Cosine Distance: 0.5711
Euclidean Distance: 267.4025
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/strasbourg_000001_051877_36.png
Cosine Distance: 0.4291
Euclidean Distance: 192.6029
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/jena_000089_000019_6.png
Cosine Distance: 0.523
Euclidean Distance: 255.3391
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/dusseldorf_000036_000019_14.png
Cosine Distance: 0.4532
Euclidean Distance: 214.4943
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/frankfurt_000001_052594_27.png
Cosine Distance: 0.5165
Euclidean Distance: 252.0197
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/hanover_000000_052512_0.png
Cosine Distance: 0.4386
Euclidean Distance: 202.3965
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/frankfurt_000001_057954_40.png
Cosine Distance: 0.3587
Euclidean Distance: 189.1965
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/erfurt_000059_000019_1.png
Cosine Distance: 0.5039
Euclidean Distance: 254.0385
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/munster_000080_000019_1.png
Cosine Distance: 0.4812
Euclidean Distance: 236.5161
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/strasbourg_000000_017283_1.png
Cosine Distance: 0.4237
Euclidean Distance: 225.6805
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/bremen_000026_000019_5.png
Cosine Distance: 0.4328
Euclidean Distance: 225.15
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/munster_000148_000019_18.png
Cosine Distance: 0.5471
Euclidean Distance: 251.338
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/jena_000055_000019_5.png
Cosine Distance: 0.452
Euclidean Distance: 227.8763
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/weimar_000038_000019_10.png
Cosine Distance: 0.4802
Euclidean Distance: 234.9839
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/hamburg_000000_098616_0.png
Cosine Distance: 0.5188
Euclidean Distance: 249.6682
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/strasbourg_000001_055860_1.png
Cosine Distance: 0.5623
Euclidean Distance: 254.1049
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/hamburg_000000_055039_1.png
Cosine Distance: 0.434
Euclidean Distance: 214.0667
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/weimar_000025_000019_1.png
Cosine Distance: 0.3939
Euclidean Distance: 183.7017
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/nonchengladbach_000001_002229_0.png
Cosine Distance: 0.4132
Euclidean Distance: 213.9374
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/aachen_000164_000019_6.png
Cosine Distance: 0.4738
Euclidean Distance: 235.7678
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/stuttgart_000156_000019_3.png
Cosine Distance: 0.451
Euclidean Distance: 223.1181

datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/erfurt_000069_000019_4.png
Cosine Distance: 0.5101
Euclidean Distance: 221.0355
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/strasbourg_000001_005289_1.png
Cosine Distance: 0.4057
Euclidean Distance: 206.9181
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/ulm_000010_000019_0.png
Cosine Distance: 0.3982
Euclidean Distance: 191.4409
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/hamburg_000000_074425_7.png
Cosine Distance: 0.4831
Euclidean Distance: 220.5369
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/darmstadt_000025_000019_0.png
Cosine Distance: 0.5213
Euclidean Distance: 227.379
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/hamburg_000000_105123_10.png
Cosine Distance: 0.4994
Euclidean Distance: 230.3531
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/cologne_000105_000019_4.png
Cosine Distance: 0.6026
Euclidean Distance: 266.6673
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/krefeld_000000_018004_4.png
Cosine Distance: 0.4924
Euclidean Distance: 242.9086
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/hamburg_000000_053776_7.png
Cosine Distance: 0.3255
Euclidean Distance: 161.207
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/bremen_000258_000019_8.png
Cosine Distance: 0.4614
Euclidean Distance: 212.4967
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/strasbourg_000001_031116_0.png
Cosine Distance: 0.5164
Euclidean Distance: 223.9714
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/weimar_000065_000019_0.png
Cosine Distance: 0.3858
Euclidean Distance: 185.5625
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/krefeld_000000_025812_2.png
Cosine Distance: 0.529
Euclidean Distance: 271.3805
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/bremen_000075_000019_2.png
Cosine Distance: 0.4625
Euclidean Distance: 228.7251
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/dusseldorf_000068_000019_5.png
Cosine Distance: 0.5562
Euclidean Distance: 276.9828
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/krefeld_000000_028638_1.png
Cosine Distance: 0.5568
Euclidean Distance: 233.4218
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/hanover_000000_030889_4.png
Cosine Distance: 0.4096
Euclidean Distance: 209.8445
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/hamburg_000000_103367_14.png
Cosine Distance: 0.4652
Euclidean Distance: 200.0464
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/frankfurt_000000_015676_1.png
Cosine Distance: 0.5124
Euclidean Distance: 240.5511
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/frankfurt_000001_069633_4.png
Cosine Distance: 0.4355
Euclidean Distance: 213.4324
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/frankfurt_000001_069633_5.png
Cosine Distance: 0.5091
Euclidean Distance: 242.67
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/krefeld_000000_028638_0.png
Cosine Distance: 0.4069
Euclidean Distance: 196.7155
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/strasbourg_000001_013914_1.png
Cosine Distance: 0.4061
Euclidean Distance: 215.7187
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/hanover_000000_036562_5.png
Cosine Distance: 0.3561
Euclidean Distance: 163.9066
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/zurich_000071_000019_41.png
Cosine Distance: 0.3944
Euclidean Distance: 199.9571
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/aachen_000161_000019_8.png
Cosine Distance: 0.4081
Euclidean Distance: 180.2832
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/krefeld_000000_025812_3.png
Cosine Distance: 0.4582
Euclidean Distance: 235.7581
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/bremen_000258_000019_9.png
Cosine Distance: 0.3579
Euclidean Distance: 179.6566
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/hanover_000000_042382_3.png
Cosine Distance: 0.4688
Euclidean Distance: 210.71
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/tubingen_000069_000019_5.png
Cosine Distance: 0.4059
Euclidean Distance: 191.9713
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/jena_000054_000019_3.png
Cosine Distance: 0.4958
Euclidean Distance: 253.1331
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/hamburg_000000_105123_11.png
Cosine Distance: 0.488
Euclidean Distance: 262.1524
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/frankfurt_000001_016273_4.png
Cosine Distance: 0.4344
Euclidean Distance: 220.8718
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/strasbourg_000001_002081_9.png
Cosine Distance: 0.4497
Euclidean Distance: 216.3868
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/munster_000047_000019_14.png
Cosine Distance: 0.4697
Euclidean Distance: 222.1374
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/bochum_000000_022414_4.png
Cosine Distance: 0.507
Euclidean Distance: 217.2862
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/hanover_000000_027481_4.png
Cosine Distance: 0.4562
Euclidean Distance: 218.2349
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/strasbourg_000000_027233_1.png
Cosine Distance: 0.4166
Euclidean Distance: 209.5591
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/frankfurt_000001_020287_0.png
Cosine Distance: 0.372
Euclidean Distance: 196.8443
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/cologne_000126_000019_6.png
Cosine Distance: 0.4462
Euclidean Distance: 202.5296
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/erfurt_000068_000019_12.png
Cosine Distance: 0.382
Euclidean Distance: 175.679
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/strasbourg_000001_005289_0.png
Cosine Distance: 0.4204
Euclidean Distance: 205.3672
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/strasbourg_000000_033062_14.png
Cosine Distance: 0.5388
Euclidean Distance: 262.8654
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/jena_000112_000019_1.png
Cosine Distance: 0.5067
Euclidean Distance: 235.0224
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/hamburg_000000_053776_19.png
Cosine Distance: 0.4174
Euclidean Distance: 217.173
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/cologne_000002_000019_1.png
Cosine Distance: 0.5223
Euclidean Distance: 225.9975
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/aachen_000164_000019_7.png
Cosine Distance: 0.4437

Euclidean Distance: 210.152
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/weimar_000107_000019_0.png
Cosine Distance: 0.4964
Euclidean Distance: 254.7785
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/strasbourg_000000_016311_13.png
Cosine Distance: 0.5083
Euclidean Distance: 240.0914
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/zurich_000078_000019_3.png
Cosine Distance: 0.4112
Euclidean Distance: 204.5982
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/bremen_000012_000019_35.png
Cosine Distance: 0.3825
Euclidean Distance: 173.9623
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/munster_000039_000019_6.png
Cosine Distance: 0.3933
Euclidean Distance: 202.9525
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/jena_000024_000019_7.png
Cosine Distance: 0.3904
Euclidean Distance: 187.43
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/hamburg_000000_098616_1.png
Cosine Distance: 0.3701
Euclidean Distance: 165.7465
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/jena_000055_000019_4.png
Cosine Distance: 0.5163
Euclidean Distance: 262.2076
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/hamburg_000000_037279_19.png
Cosine Distance: 0.4804
Euclidean Distance: 231.7545
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/hanover_000000_023614_3.png
Cosine Distance: 0.4299
Euclidean Distance: 211.8952
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/strasbourg_000000_017283_0.png
Cosine Distance: 0.4236
Euclidean Distance: 186.6815
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/erfurt_000059_000019_0.png
Cosine Distance: 0.4523
Euclidean Distance: 233.183
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/weimar_000088_000019_0.png
Cosine Distance: 0.4568
Euclidean Distance: 208.6983
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/jena_000062_000019_3.png
Cosine Distance: 0.4004
Euclidean Distance: 192.8751
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/hamburg_000000_019892_4.png
Cosine Distance: 0.392
Euclidean Distance: 175.6305
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/dusseldorf_000190_000019_2.png
Cosine Distance: 0.4888
Euclidean Distance: 225.7369
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/hanover_000000_026804_8.png
Cosine Distance: 0.4701
Euclidean Distance: 241.1218
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/strasbourg_000000_017283_2.png
Cosine Distance: 0.4035
Euclidean Distance: 200.0543
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/bremen_000208_000019_4.png
Cosine Distance: 0.5507
Euclidean Distance: 225.1868
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/jena_000055_000019_6.png
Cosine Distance: 0.3268
Euclidean Distance: 156.6748
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/stuttgart_000181_000019_31.png
Cosine Distance: 0.4676
Euclidean Distance: 213.1095
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/strasbourg_000001_002216_4.png
Cosine Distance: 0.4002
Euclidean Distance: 198.8967
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/strasbourg_000001_052050_15.png
Cosine Distance: 0.5801
Euclidean Distance: 239.3135
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/frankfurt_000001_012870_18.png
Cosine Distance: 0.4488
Euclidean Distance: 201.4991
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/strasbourg_000001_050098_14.png
Cosine Distance: 0.5058
Euclidean Distance: 248.4586
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/hamburg_000000_055039_2.png
Cosine Distance: 0.4593
Euclidean Distance: 226.3622
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/hamburg_000000_105123_7.png
Cosine Distance: 0.4696
Euclidean Distance: 217.5752
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/strasbourg_000001_055860_2.png
Cosine Distance: 0.5068
Euclidean Distance: 240.2904
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/aachen_000020_000019_8.png
Cosine Distance: 0.4276
Euclidean Distance: 200.1855
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/weimar_000025_000019_2.png
Cosine Distance: 0.4474
Euclidean Distance: 216.1971
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/krefeld_000000_014146_2.png
Cosine Distance: 0.4222
Euclidean Distance: 189.9621
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/munster_000039_000019_4.png
Cosine Distance: 0.4163
Euclidean Distance: 201.6519
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/strasbourg_000000_016311_11.png
Cosine Distance: 0.4806
Euclidean Distance: 243.0687
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/strasbourg_000001_009618_0.png
Cosine Distance: 0.4847
Euclidean Distance: 262.7552
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/darmstadt_000055_000019_7.png
Cosine Distance: 0.476
Euclidean Distance: 215.2049
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/frankfurt_000001_020287_2.png
Cosine Distance: 0.4651
Euclidean Distance: 219.6855
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/hamburg_000000_074425_4.png
Cosine Distance: 0.5063
Euclidean Distance: 245.7467
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/stuttgart_000033_000019_1.png
Cosine Distance: 0.3384
Euclidean Distance: 169.4724
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/stuttgart_000066_000019_1.png
Cosine Distance: 0.4614
Euclidean Distance: 222.9149
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/monchengladbach_000000_007695_2.png
Cosine Distance: 0.5024
Euclidean Distance: 245.7167
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/hanover_000000_027481_6.png
Cosine Distance: 0.392
Euclidean Distance: 194.6104
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/frankfurt_000000_008451_1.png
Cosine Distance: 0.4581
Euclidean Distance: 222.5098
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/hamburg_000000_047108_13.png
Cosine Distance: 0.4762
Euclidean Distance: 217.3714
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/krefeld_000000_025812_1.png
Cosine Distance: 0.4149
Euclidean Distance: 190.1226
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/frankfurt_000001_017459_18.png
Cosine Distance: 0.3873
Euclidean Distance: 185.6459
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/hamburg_000000_053486_9.png
Cosine Distance: 0.426
Euclidean Distance: 208.6737
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/strasbourg_000001_014033_6.png

Cosine Distance: 0.3057
Euclidean Distance: 150.7647
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/tubingen_000081_000019_9.png
Cosine Distance: 0.3852
Euclidean Distance: 194.7784
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/hanover_000000_036051_5.png
Cosine Distance: 0.4955
Euclidean Distance: 225.2443
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/hanover_000000_043822_6.png
Cosine Distance: 0.4377
Euclidean Distance: 211.9685
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/bremen_000017_000019_10.png
Cosine Distance: 0.3927
Euclidean Distance: 179.4949
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/frankfurt_000001_028854_7.png
Cosine Distance: 0.4749
Euclidean Distance: 231.1282
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/aachen_000111_000019_17.png
Cosine Distance: 0.4677
Euclidean Distance: 220.5621
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/stuttgart_000102_000019_6.png
Cosine Distance: 0.3306
Euclidean Distance: 158.3841
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/frankfurt_000001_021825_3.png
Cosine Distance: 0.5082
Euclidean Distance: 256.5308
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/frankfurt_000001_010600_1.png
Cosine Distance: 0.4467
Euclidean Distance: 203.6064
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/zurich_000071_000019_42.png
Cosine Distance: 0.5118
Euclidean Distance: 253.4202
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/frankfurt_000001_028232_2.png
Cosine Distance: 0.3724
Euclidean Distance: 169.6383
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/strasbourg_000001_013914_2.png
Cosine Distance: 0.4398
Euclidean Distance: 214.7775
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/stuttgart_000061_000019_0.png
Cosine Distance: 0.5339
Euclidean Distance: 251.2856
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/strasbourg_000000_008784_2.png
Cosine Distance: 0.4147
Euclidean Distance: 197.1982
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/hanover_000000_048379_5.png
Cosine Distance: 0.2875
Euclidean Distance: 147.558
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/darmstadt_000006_000019_1.png
Cosine Distance: 0.4365
Euclidean Distance: 249.6064
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/tubingen_000069_000019_6.png
Cosine Distance: 0.3085
Euclidean Distance: 152.5175
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/darmstadt_000064_000019_4.png
Cosine Distance: 0.4354
Euclidean Distance: 198.8061
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/monchengladbach_000000_007695_3.png
Cosine Distance: 0.4843
Euclidean Distance: 225.1934
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/dusseldorf_000068_000019_15.png
Cosine Distance: 0.4314
Euclidean Distance: 194.2587
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/stuttgart_000033_000019_0.png
Cosine Distance: 0.4472
Euclidean Distance: 219.404
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/weimar_000089_000019_4.png
Cosine Distance: 0.517
Euclidean Distance: 239.5822
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/cologne_000126_000019_5.png
Cosine Distance: 0.3653
Euclidean Distance: 163.5534
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/strasbourg_000000_032346_3.png
Cosine Distance: 0.4736
Euclidean Distance: 235.5912
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/strasbourg_000001_009618_1.png
Cosine Distance: 0.5138
Euclidean Distance: 242.2568
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/tubingen_000084_000019_7.png
Cosine Distance: 0.5385
Euclidean Distance: 274.6867
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/strasbourg_000000_026575_8.png
Cosine Distance: 0.5281
Euclidean Distance: 243.1903
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/strasbourg_000001_063808_6.png
Cosine Distance: 0.4776
Euclidean Distance: 246.1526
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/stuttgart_000182_000019_21.png
Cosine Distance: 0.472
Euclidean Distance: 225.1486
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/hamburg_000000_105464_19.png
Cosine Distance: 0.3272
Euclidean Distance: 151.8619
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/strasbourg_000001_009618_20.png
Cosine Distance: 0.4763
Euclidean Distance: 218.4822
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/munster_000056_000019_21.png
Cosine Distance: 0.4319
Euclidean Distance: 194.4823
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/hamburg_000000_055039_3.png
Cosine Distance: 0.4602
Euclidean Distance: 229.4869
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/strasbourg_000001_055860_3.png
Cosine Distance: 0.4449
Euclidean Distance: 196.9247
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/munster_000048_000019_6.png
Cosine Distance: 0.4082
Euclidean Distance: 224.0517
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/hamburg_000000_098616_2.png
Cosine Distance: 0.4495
Euclidean Distance: 283.3272
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/strasbourg_000001_052050_14.png
Cosine Distance: 0.5176
Euclidean Distance: 221.2349
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/weimar_000040_000019_6.png
Cosine Distance: 0.3485
Euclidean Distance: 164.4099
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/stuttgart_000005_000019_2.png
Cosine Distance: 0.4539
Euclidean Distance: 206.2263
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/strasbourg_000000_019891_3.png
Cosine Distance: 0.4054
Euclidean Distance: 203.0721
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/krefeld_000000_034156_0.png
Cosine Distance: 0.4871
Euclidean Distance: 232.9954
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/stuttgart_000172_000019_2.png
Cosine Distance: 0.4654
Euclidean Distance: 234.2105
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/krefeld_000000_006274_0.png
Cosine Distance: 0.4315
Euclidean Distance: 216.2403
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/jena_000089_000019_4.png
Cosine Distance: 0.4546
Euclidean Distance: 214.8394
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/munster_000057_000019_17.png
Cosine Distance: 0.398
Euclidean Distance: 213.5075
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/hanover_000000_040221_16.png
Cosine Distance: 0.5365
Euclidean Distance: 247.5269

datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/hamburg_000000_105123_2.png
Cosine Distance: 0.5066
Euclidean Distance: 210.4186
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/hamburg_000000_037279_22.png
Cosine Distance: 0.4934
Euclidean Distance: 240.2915
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/strasbourg_000000_029481_14.png
Cosine Distance: 0.4475
Euclidean Distance: 216.6404
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/jena_000027_000019_8.png
Cosine Distance: 0.3853
Euclidean Distance: 181.5627
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/tubingen_000083_000019_3.png
Cosine Distance: 0.4717
Euclidean Distance: 214.331
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/frankfurt_000001_007857_2.png
Cosine Distance: 0.5212
Euclidean Distance: 231.6854
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/tubingen_000029_000019_3.png
Cosine Distance: 0.346
Euclidean Distance: 172.4663
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/stuttgart_000161_000019_0.png
Cosine Distance: 0.5742
Euclidean Distance: 276.317
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/hanover_000000_040051_11.png
Cosine Distance: 0.4927
Euclidean Distance: 230.4446
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/strasbourg_000001_051934_0.png
Cosine Distance: 0.4897
Euclidean Distance: 242.5033
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/jena_000071_000019_0.png
Cosine Distance: 0.4994
Euclidean Distance: 248.8415
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/stuttgart_000021_000019_5.png
Cosine Distance: 0.3446
Euclidean Distance: 165.4763
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/weimar_000031_000019_1.png
Cosine Distance: 0.5102
Euclidean Distance: 234.1032
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/stuttgart_000182_000019_25.png
Cosine Distance: 0.5414
Euclidean Distance: 250.677
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/stuttgart_000156_000019_5.png
Cosine Distance: 0.4563
Euclidean Distance: 210.7076
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/darmstadt_000055_000019_2.png
Cosine Distance: 0.3857
Euclidean Distance: 199.1349
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/stuttgart_000103_000019_5.png
Cosine Distance: 0.428
Euclidean Distance: 204.8819
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/hamburg_000000_039546_41.png
Cosine Distance: 0.4167
Euclidean Distance: 180.8276
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/nonchengladbach_000000_035650_4.png
Cosine Distance: 0.4464
Euclidean Distance: 231.3907
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/krefeld_000000_024604_1.png
Cosine Distance: 0.3389
Euclidean Distance: 164.0649
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/munster_000139_000019_13.png
Cosine Distance: 0.4791
Euclidean Distance: 252.9763
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/strasbourg_000000_016024_17.png
Cosine Distance: 0.4943
Euclidean Distance: 217.4371
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/zurich_000078_000019_4.png
Cosine Distance: 0.4173
Euclidean Distance: 186.8521
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/munster_000047_000019_13.png
Cosine Distance: 0.4449
Euclidean Distance: 221.7226
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/weimar_000089_000019_0.png
Cosine Distance: 0.4445
Euclidean Distance: 197.4697
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/stuttgart_000033_000019_4.png
Cosine Distance: 0.4604
Euclidean Distance: 215.0938
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/strasbourg_000001_026606_0.png
Cosine Distance: 0.4318
Euclidean Distance: 197.4486
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/krefeld_000000_019791_2.png
Cosine Distance: 0.4391
Euclidean Distance: 218.7946
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/stuttgart_000072_000019_2.png
Cosine Distance: 0.4112
Euclidean Distance: 203.8349
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/frankfurt_000001_007407_0.png
Cosine Distance: 0.4834
Euclidean Distance: 233.7909
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/aachen_000019_000019_26.png
Cosine Distance: 0.4657
Euclidean Distance: 219.6315
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/tubingen_000082_000019_4.png
Cosine Distance: 0.4071
Euclidean Distance: 214.1564
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/munster_000052_000019_18.png
Cosine Distance: 0.4779
Euclidean Distance: 217.0146
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/hanover_000000_042382_4.png
Cosine Distance: 0.5151
Euclidean Distance: 232.9526
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/weimar_000027_000019_8.png
Cosine Distance: 0.4855
Euclidean Distance: 254.3888
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/hamburg_000000_105123_16.png
Cosine Distance: 0.5203
Euclidean Distance: 223.8695
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/strasbourg_000001_035562_9.png
Cosine Distance: 0.4888
Euclidean Distance: 231.7366
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/nonchengladbach_000000_018294_5.png
Cosine Distance: 0.5307
Euclidean Distance: 279.4348
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/hamburg_000000_080169_7.png
Cosine Distance: 0.4355
Euclidean Distance: 206.6287
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/strasbourg_000000_015764_6.png
Cosine Distance: 0.4683
Euclidean Distance: 221.5379
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/erfurt_000083_000019_3.png
Cosine Distance: 0.4819
Euclidean Distance: 217.4755
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/frankfurt_000001_038844_9.png
Cosine Distance: 0.3943
Euclidean Distance: 176.243
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/hanover_000000_030889_2.png
Cosine Distance: 0.5232
Euclidean Distance: 254.2056
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/hanover_000000_030889_3.png
Cosine Distance: 0.4677
Euclidean Distance: 203.9188
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/hamburg_000000_103367_13.png
Cosine Distance: 0.4356
Euclidean Distance: 203.0208
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/hanover_000000_043653_0.png
Cosine Distance: 0.4996
Euclidean Distance: 238.095
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/stuttgart_000102_000019_3.png
Cosine Distance: 0.4001

Euclidean Distance: 174.5813
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/erfurt_000083_000019_2.png
Cosine Distance: 0.4172
Euclidean Distance: 196.2189
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/bremen_000042_000019_0.png
Cosine Distance: 0.348
Euclidean Distance: 192.2661
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/jena_000070_000019_6.png
Cosine Distance: 0.4771
Euclidean Distance: 216.1362
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/nonchengladbach_000000_018294_4.png
Cosine Distance: 0.4433
Euclidean Distance: 208.6317
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/strasbourg_000000_005995_2.png
Cosine Distance: 0.4461
Euclidean Distance: 205.2549
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/strasbourg_000000_017044_18.png
Cosine Distance: 0.4406
Euclidean Distance: 214.5947
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/hanover_000000_036562_3.png
Cosine Distance: 0.3584
Euclidean Distance: 156.2047
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/aachen_000113_000019_5.png
Cosine Distance: 0.3919
Euclidean Distance: 179.0934
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/hamburg_000000_105123_17.png
Cosine Distance: 0.4132
Euclidean Distance: 194.6624
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/nonchengladbach_000000_020856_1.png
Cosine Distance: 0.492
Euclidean Distance: 226.3521
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/cologne_000105_000019_3.png
Cosine Distance: 0.4735
Euclidean Distance: 229.2364
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/krefeld_000000_018004_3.png
Cosine Distance: 0.3037
Euclidean Distance: 141.4044
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/tubingen_000082_000019_5.png
Cosine Distance: 0.3669
Euclidean Distance: 209.4043
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/strasbourg_000000_029020_14.png
Cosine Distance: 0.4326
Euclidean Distance: 197.545
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/aachen_000019_000019_27.png
Cosine Distance: 0.3632
Euclidean Distance: 173.3283
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/frankfurt_000001_007407_1.png
Cosine Distance: 0.4822
Euclidean Distance: 208.3779
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/weimar_000101_000019_1.png
Cosine Distance: 0.5174
Euclidean Distance: 252.3172
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/krefeld_000000_030221_0.png
Cosine Distance: 0.5202
Euclidean Distance: 237.669
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/frankfurt_000001_049770_14.png
Cosine Distance: 0.5256
Euclidean Distance: 256.2101
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/darmstadt_000031_000019_1.png
Cosine Distance: 0.437
Euclidean Distance: 218.3203
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/frankfurt_000001_007622_5.png
Cosine Distance: 0.5192
Euclidean Distance: 247.1603
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/hanover_000000_027766_1.png
Cosine Distance: 0.524
Euclidean Distance: 240.1902
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/strasbourg_000000_016311_15.png
Cosine Distance: 0.4287
Euclidean Distance: 192.1916
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/zurich_000078_000019_5.png
Cosine Distance: 0.5074
Euclidean Distance: 235.2791
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/nonchengladbach_000000_035650_5.png
Cosine Distance: 0.4933
Euclidean Distance: 244.2198
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/hamburg_000000_039546_40.png
Cosine Distance: 0.537
Euclidean Distance: 284.1606
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/munster_000139_000019_12.png
Cosine Distance: 0.4852
Euclidean Distance: 230.3117
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/erfurt_000069_000019_3.png
Cosine Distance: 0.3985
Euclidean Distance: 197.339
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/darmstadt_000055_000019_3.png
Cosine Distance: 0.4493
Euclidean Distance: 217.7736
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/strasbourg_000000_033062_12.png
Cosine Distance: 0.4732
Euclidean Distance: 263.2858
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/stuttgart_000156_000019_4.png
Cosine Distance: 0.3582
Euclidean Distance: 166.0192
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/erfurt_000102_000019_11.png
Cosine Distance: 0.3199
Euclidean Distance: 152.2304
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/aachen_000046_000019_1.png
Cosine Distance: 0.4341
Euclidean Distance: 174.9852
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/weimar_000031_000019_0.png
Cosine Distance: 0.4734
Euclidean Distance: 219.4404
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/hamburg_000000_063403_5.png
Cosine Distance: 0.4968
Euclidean Distance: 215.3713
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/hamburg_000000_029378_10.png
Cosine Distance: 0.5363
Euclidean Distance: 262.3514
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/ulm_000043_000019_0.png
Cosine Distance: 0.492
Euclidean Distance: 227.1854
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/jena_000071_000019_1.png
Cosine Distance: 0.4785
Euclidean Distance: 234.2325
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/hamburg_000000_054850_8.png
Cosine Distance: 0.3954
Euclidean Distance: 176.1404
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/strasbourg_000001_009618_19.png
Cosine Distance: 0.4177
Euclidean Distance: 209.0075
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/hamburg_000000_103075_54.png
Cosine Distance: 0.5896
Euclidean Distance: 296.2547
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/hamburg_000000_054029_42.png
Cosine Distance: 0.3758
Euclidean Distance: 174.9012
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/tubingen_000029_000019_2.png
Cosine Distance: 0.3991
Euclidean Distance: 184.8077
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/strasbourg_000001_002216_0.png
Cosine Distance: 0.4886
Euclidean Distance: 235.4293
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/strasbourg_000000_028822_22.png
Cosine Distance: 0.4887
Euclidean Distance: 289.1263
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/weimar_000063_000019_0.png
Cosine Distance: 0.4902
Euclidean Distance: 231.8089
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/cologne_000127_000019_7.png

Cosine Distance: 0.4706
Euclidean Distance: 232.2905
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/aachen_000116_000019_16.png
Cosine Distance: 0.4568
Euclidean Distance: 206.9313
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/frankfurt_000001_034047_8.png
Cosine Distance: 0.4349
Euclidean Distance: 198.9017
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/cologne_000046_000019_13.png
Cosine Distance: 0.3690
Euclidean Distance: 175.4939
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/jena_000089_000019_3.png
Cosine Distance: 0.413
Euclidean Distance: 207.1312
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/hanover_000000_040221_15.png
Cosine Distance: 0.4945
Euclidean Distance: 228.6897
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/strasbourg_000000_035713_1.png
Cosine Distance: 0.5148
Euclidean Distance: 242.7767
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/hamburg_000000_073758_23.png
Cosine Distance: 0.4272
Euclidean Distance: 196.7015
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/strasbourg_000001_050098_12.png
Cosine Distance: 0.4031
Euclidean Distance: 186.3776
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/frankfurt_000001_007857_1.png
Cosine Distance: 0.4038
Euclidean Distance: 205.2881
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/jena_000000_000019_0.png
Cosine Distance: 0.397
Euclidean Distance: 193.0439
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/cologne_000035_000019_0.png
Cosine Distance: 0.4998
Euclidean Distance: 247.0571
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/strasbourg_000000_034097_9.png
Cosine Distance: 0.5107
Euclidean Distance: 236.2253
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/strasbourg_000000_016247_0.png
Cosine Distance: 0.5274
Euclidean Distance: 256.812
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/stuttgart_000182_000019_26.png
Cosine Distance: 0.4935
Euclidean Distance: 225.91
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/strasbourg_000000_032346_4.png
Cosine Distance: 0.4959
Euclidean Distance: 226.8523
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/stuttgart_000156_000019_6.png
Cosine Distance: 0.4002
Euclidean Distance: 176.4438
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/ulm_000060_000019_1.png
Cosine Distance: 0.5459
Euclidean Distance: 234.8522
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/hamburg_000000_047390_21.png
Cosine Distance: 0.4253
Euclidean Distance: 192.2974
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/munster_000047_000019_10.png
Cosine Distance: 0.4618
Euclidean Distance: 207.8329
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/stuttgart_000072_000019_1.png
Cosine Distance: 0.386
Euclidean Distance: 182.8839
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/krefeld_000000_019791_1.png
Cosine Distance: 0.4188
Euclidean Distance: 208.2411
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/weimar_000089_000019_3.png
Cosine Distance: 0.4789
Euclidean Distance: 202.9386
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/frankfurt_000001_020287_4.png
Cosine Distance: 0.4748
Euclidean Distance: 240.8568
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/cologne_000089_000019_9.png
Cosine Distance: 0.4808
Euclidean Distance: 208.6273
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/hanover_000000_005732_11.png
Cosine Distance: 0.4636
Euclidean Distance: 210.3322
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/erfurt_000084_000019_0.png
Cosine Distance: 0.3814
Euclidean Distance: 193.088
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/frankfurt_000001_048355_0.png
Cosine Distance: 0.4932
Euclidean Distance: 238.3413
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/hamburg_000000_100300_9.png
Cosine Distance: 0.471
Euclidean Distance: 221.4341
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/weimar_000055_000019_0.png
Cosine Distance: 0.4022
Euclidean Distance: 201.479
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/hanover_000000_036562_1.png
Cosine Distance: 0.4197
Euclidean Distance: 202.2065
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/jena_000043_000019_9.png
Cosine Distance: 0.548
Euclidean Distance: 265.2254
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/tubingen_000059_000019_4.png
Cosine Distance: 0.4581
Euclidean Distance: 216.6026
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/stuttgart_000157_000019_1.png
Cosine Distance: 0.5188
Euclidean Distance: 229.363
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/hanover_000000_029769_17.png
Cosine Distance: 0.3663
Euclidean Distance: 176.2826
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/frankfurt_000001_021825_4.png
Cosine Distance: 0.5044
Euclidean Distance: 254.5354
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/hamburg_000000_053486_20.png
Cosine Distance: 0.4658
Euclidean Distance: 216.77
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/strasbourg_000000_015764_5.png
Cosine Distance: 0.403
Euclidean Distance: 183.3347
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/hanover_000000_030889_1.png
Cosine Distance: 0.4764
Euclidean Distance: 219.5135
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/strasbourg_000001_049776_0.png
Cosine Distance: 0.4278
Euclidean Distance: 199.6649
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/strasbourg_000000_029339_3.png
Cosine Distance: 0.5085
Euclidean Distance: 239.1158
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/hamburg_000000_033506_10.png
Cosine Distance: 0.3932
Euclidean Distance: 185.5074
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/hanover_000000_030889_0.png
Cosine Distance: 0.5259
Euclidean Distance: 254.0902
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/hamburg_000000_080169_5.png
Cosine Distance: 0.4962
Euclidean Distance: 223.0334
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/bremen_000287_000019_7.png
Cosine Distance: 0.5421
Euclidean Distance: 257.1071
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/frankfurt_000001_021825_5.png
Cosine Distance: 0.466
Euclidean Distance: 233.0863
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/hanover_000000_053027_0.png
Cosine Distance: 0.4528
Euclidean Distance: 219.3532

datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/jena_000070_000019_5.png
Cosine Distance: 0.4798
Euclidean Distance: 223.1713
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/aachen_000113_000019_6.png
Cosine Distance: 0.5
Euclidean Distance: 252.7231
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/tubingen_000082_000019_6.png
Cosine Distance: 0.529
Euclidean Distance: 223.5573
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/weimar_000055_000019_1.png
Cosine Distance: 0.3749
Euclidean Distance: 181.9764
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/strasbourg_000000_013654_9.png
Cosine Distance: 0.3951
Euclidean Distance: 192.1296
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/cologne_000089_000019_8.png
Cosine Distance: 0.3578
Euclidean Distance: 164.5865
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/hamburg_000000_053776_3.png
Cosine Distance: 0.498
Euclidean Distance: 247.6836
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/strasbourg_000000_029020_17.png
Cosine Distance: 0.528
Euclidean Distance: 238.6634
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/strasbourg_000000_010049_17.png
Cosine Distance: 0.443
Euclidean Distance: 211.4978
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/hamburg_000000_081299_8.png
Cosine Distance: 0.3323
Euclidean Distance: 154.905
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/krefeld_000000_019791_0.png
Cosine Distance: 0.3821
Euclidean Distance: 185.6299
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/hamburg_000000_085321_7.png
Cosine Distance: 0.4915
Euclidean Distance: 226.2056
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/frankfurt_000001_007622_6.png
Cosine Distance: 0.4995
Euclidean Distance: 224.1335
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/strasbourg_000000_016311_16.png
Cosine Distance: 0.3803
Euclidean Distance: 171.7527
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/strasbourg_000000_026611_12.png
Cosine Distance: 0.5392
Euclidean Distance: 235.6064
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/strasbourg_000000_033062_11.png
Cosine Distance: 0.57
Euclidean Distance: 260.5366
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/stuttgart_000156_000019_7.png
Cosine Distance: 0.3865
Euclidean Distance: 186.6258
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/nonchengladbach_000000_035650_6.png
Cosine Distance: 0.4819
Euclidean Distance: 235.3287
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/strasbourg_000000_032346_5.png
Cosine Distance: 0.3398
Euclidean Distance: 174.826
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/stuttgart_000021_000019_7.png
Cosine Distance: 0.4434
Euclidean Distance: 221.1581
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/cologne_000134_000019_2.png
Cosine Distance: 0.3067
Euclidean Distance: 143.7437
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/munster_000039_000019_3.png
Cosine Distance: 0.438
Euclidean Distance: 229.1771
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/strasbourg_000000_034097_8.png
Cosine Distance: 0.5162
Euclidean Distance: 270.1873
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/cologne_000035_000019_1.png
Cosine Distance: 0.4764
Euclidean Distance: 224.969
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/frankfurt_000001_004327_0.png
Cosine Distance: 0.5578
Euclidean Distance: 278.7984
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/stuttgart_000181_000019_36.png
Cosine Distance: 0.5047
Euclidean Distance: 233.2089
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/jena_000000_000019_1.png
Cosine Distance: 0.3624
Euclidean Distance: 160.4474
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/tubingen_000029_000019_1.png
Cosine Distance: 0.4101
Euclidean Distance: 202.1081
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/frankfurt_000001_007857_0.png
Cosine Distance: 0.4979
Euclidean Distance: 235.8631
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/strasbourg_000001_050098_13.png
Cosine Distance: 0.5236
Euclidean Distance: 241.7632
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/frankfurt_000001_007973_4.png
Cosine Distance: 0.527
Euclidean Distance: 249.9266
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/bremen_000044_000019_4.png
Cosine Distance: 0.4385
Euclidean Distance: 210.8987
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/hamburg_000000_073758_22.png
Cosine Distance: 0.423
Euclidean Distance: 201.6981
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/erfurt_000091_000019_0.png
Cosine Distance: 0.4885
Euclidean Distance: 221.9738
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/strasbourg_000000_033838_11.png
Cosine Distance: 0.3956
Euclidean Distance: 186.6168
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/hanover_000000_040221_14.png
Cosine Distance: 0.5275
Euclidean Distance: 237.6888
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/bremen_000100_000019_9.png
Cosine Distance: 0.5253
Euclidean Distance: 255.4354
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/dusseldorf_000190_000019_5.png
Cosine Distance: 0.4547
Euclidean Distance: 215.1703
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/strasbourg_000001_006386_0.png
Cosine Distance: 0.3967
Euclidean Distance: 177.332
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/bremen_000256_000019_4.png
Cosine Distance: 0.4551
Euclidean Distance: 212.5805
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/hanover_000000_027766_17.png
Cosine Distance: 0.4806
Euclidean Distance: 242.8064
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/weimar_000128_000019_1.png
Cosine Distance: 0.3708
Euclidean Distance: 180.2667
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/jena_000082_000019_5.png
Cosine Distance: 0.482
Euclidean Distance: 233.3883
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/strasbourg_000001_002081_13.png
Cosine Distance: 0.4913
Euclidean Distance: 244.082
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/frankfurt_000001_011715_18.png
Cosine Distance: 0.4465
Euclidean Distance: 221.8572
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/munster_000057_000019_1.png
Cosine Distance: 0.4648
Euclidean Distance: 204.0529
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/hanover_000000_028202_4.png
Cosine Distance: 0.4487

Euclidean Distance: 219.5284
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/strasbourg_000000_026575_13.png
Cosine Distance: 0.5599
Euclidean Distance: 252.5973
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/bremen_000261_000019_1.png
Cosine Distance: 0.5388
Euclidean Distance: 248.3418
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/zurich_000074_000019_1.png
Cosine Distance: 0.4331
Euclidean Distance: 192.4421
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/tubingen_000063_000019_0.png
Cosine Distance: 0.4747
Euclidean Distance: 216.0439
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/darmstadt_000067_000019_11.png
Cosine Distance: 0.4138
Euclidean Distance: 186.0313
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/hanover_000000_034347_4.png
Cosine Distance: 0.4601
Euclidean Distance: 241.2232
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/tubingen_000113_000019_0.png
Cosine Distance: 0.4491
Euclidean Distance: 235.3081
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/krefeld_000000_023698_0.png
Cosine Distance: 0.2902
Euclidean Distance: 159.1302
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/tubingen_000031_000019_0.png
Cosine Distance: 0.5236
Euclidean Distance: 259.4295
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/munster_000060_000019_14.png
Cosine Distance: 0.398
Euclidean Distance: 192.9781
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/bremen_000257_000019_3.png
Cosine Distance: 0.3784
Euclidean Distance: 166.6873
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/hamburg_000000_071675_7.png
Cosine Distance: 0.4036
Euclidean Distance: 173.8131
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/frankfurt_000001_028335_0.png
Cosine Distance: 0.4392
Euclidean Distance: 257.2643
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/weimar_000028_000019_5.png
Cosine Distance: 0.4195
Euclidean Distance: 198.427
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/hamburg_000000_048138_2.png
Cosine Distance: 0.4128
Euclidean Distance: 175.8556
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/zurich_000003_000019_5.png
Cosine Distance: 0.5296
Euclidean Distance: 250.2473
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/strasbourg_000001_052497_2.png
Cosine Distance: 0.4002
Euclidean Distance: 191.9669
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/hamburg_000000_096624_5.png
Cosine Distance: 0.505
Euclidean Distance: 261.9324
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/strasbourg_000001_052840_2.png
Cosine Distance: 0.4671
Euclidean Distance: 230.9192
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/tubingen_000023_000019_1.png
Cosine Distance: 0.3627
Euclidean Distance: 167.5025
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/hamburg_000000_053563_35.png
Cosine Distance: 0.4076
Euclidean Distance: 187.1747
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/strasbourg_000001_051934_18.png
Cosine Distance: 0.5172
Euclidean Distance: 249.6512
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/tubingen_000007_000019_2.png
Cosine Distance: 0.4769
Euclidean Distance: 257.5348
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/frankfurt_000001_078803_2.png
Cosine Distance: 0.4906
Euclidean Distance: 280.1547
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/hamburg_000000_031971_1.png
Cosine Distance: 0.464
Euclidean Distance: 226.7885
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/frankfurt_000001_054077_4.png
Cosine Distance: 0.4869
Euclidean Distance: 257.9529
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/munster_000051_000019_6.png
Cosine Distance: 0.4804
Euclidean Distance: 232.6597
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/strasbourg_000000_028628_12.png
Cosine Distance: 0.4359
Euclidean Distance: 203.0972
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/krefeld_000000_009574_0.png
Cosine Distance: 0.4487
Euclidean Distance: 210.4614
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/frankfurt_000000_022254_0.png
Cosine Distance: 0.4794
Euclidean Distance: 247.3568
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/dusseldorf_000155_000019_0.png
Cosine Distance: 0.4933
Euclidean Distance: 231.8388
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/strasbourg_000000_017450_4.png
Cosine Distance: 0.4417
Euclidean Distance: 209.5218
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/hanover_000000_043822_14.png
Cosine Distance: 0.4161
Euclidean Distance: 230.1606
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/krefeld_000000_009574_1.png
Cosine Distance: 0.5142
Euclidean Distance: 256.1672
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/hanover_000000_029455_2.png
Cosine Distance: 0.3946
Euclidean Distance: 182.3564
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/munster_000062_000019_22.png
Cosine Distance: 0.4915
Euclidean Distance: 231.4401
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/tubingen_000007_000019_3.png
Cosine Distance: 0.4815
Euclidean Distance: 229.7827
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/hanover_000000_053437_6.png
Cosine Distance: 0.4979
Euclidean Distance: 243.1353
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/munster_000033_000019_2.png
Cosine Distance: 0.4227
Euclidean Distance: 201.8047
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/strasbourg_000000_033129_8.png
Cosine Distance: 0.4649
Euclidean Distance: 217.0898
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/tubingen_000023_000019_0.png
Cosine Distance: 0.3093
Euclidean Distance: 149.6367
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/strasbourg_000001_034923_11.png
Cosine Distance: 0.5492
Euclidean Distance: 257.3591
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/strasbourg_000001_052497_3.png
Cosine Distance: 0.4495
Euclidean Distance: 211.0328
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/strasbourg_000000_025491_3.png
Cosine Distance: 0.4777
Euclidean Distance: 228.8002
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/jena_000083_000019_3.png
Cosine Distance: 0.4159
Euclidean Distance: 203.3867
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/munster_000143_000019_13.png
Cosine Distance: 0.4757
Euclidean Distance: 232.5696
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/frankfurt_000001_028335_1.png

Cosine Distance: 0.4964
Euclidean Distance: 230.4074
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/strasbourg_000001_061472_5.png
Cosine Distance: 0.5072
Euclidean Distance: 224.1989
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/hanover_000000_056601_2.png
Cosine Distance: 0.3993
Euclidean Distance: 187.4782
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/zurich_000067_000019_6.png
Cosine Distance: 0.4617
Euclidean Distance: 209.218
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/erfurt_000023_000019_0.png
Cosine Distance: 0.4802
Euclidean Distance: 240.7127
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/strasbourg_000000_014584_2.png
Cosine Distance: 0.3559
Euclidean Distance: 163.3651
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/strasbourg_000000_030941_9.png
Cosine Distance: 0.4024
Euclidean Distance: 209.3711
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/hanover_000000_013814_10.png
Cosine Distance: 0.4321
Euclidean Distance: 202.2805
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/ulm_000087_000019_0.png
Cosine Distance: 0.5153
Euclidean Distance: 245.2887
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/strasbourg_000000_016247_20.png
Cosine Distance: 0.4933
Euclidean Distance: 241.3276
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/munster_000057_000019_0.png
Cosine Distance: 0.4901
Euclidean Distance: 214.5929
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/strasbourg_000000_026575_12.png
Cosine Distance: 0.5098
Euclidean Distance: 242.045
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/bremen_000256_000019_5.png
Cosine Distance: 0.4723
Euclidean Distance: 231.8457
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/weimar_000128_000019_0.png
Cosine Distance: 0.4606
Euclidean Distance: 226.3799
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/strasbourg_000001_051877_40.png
Cosine Distance: 0.5027
Euclidean Distance: 237.9723
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/hanover_000000_027766_16.png
Cosine Distance: 0.4697
Euclidean Distance: 240.8845
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/aachen_000048_000019_15.png
Cosine Distance: 0.5399
Euclidean Distance: 255.6583
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/strasbourg_000000_030706_13.png
Cosine Distance: 0.3902
Euclidean Distance: 189.1861
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/strasbourg_000001_009333_0.png
Cosine Distance: 0.4189
Euclidean Distance: 207.9061
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/tubingen_000054_000019_6.png
Cosine Distance: 0.4941
Euclidean Distance: 214.6861
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/hanover_000000_041232_1.png
Cosine Distance: 0.4313
Euclidean Distance: 208.248
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/strasbourg_000000_004248_6.png
Cosine Distance: 0.416
Euclidean Distance: 188.6406
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/jena_000082_000019_6.png
Cosine Distance: 0.5312
Euclidean Distance: 253.9438
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/frankfurt_000001_011162_23.png
Cosine Distance: 0.5472
Euclidean Distance: 242.632
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/erfurt_000065_000019_4.png
Cosine Distance: 0.4356
Euclidean Distance: 207.3511
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/hanover_000000_034347_7.png
Cosine Distance: 0.5687
Euclidean Distance: 270.5082
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/darmstadt_000082_000019_7.png
Cosine Distance: 0.4687
Euclidean Distance: 209.5923
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/strasbourg_000000_025907_0.png
Cosine Distance: 0.4066
Euclidean Distance: 190.0073
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/frankfurt_000001_016029_7.png
Cosine Distance: 0.4397
Euclidean Distance: 210.1042
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/strasbourg_000001_056857_5.png
Cosine Distance: 0.3542
Euclidean Distance: 171.4807
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/munster_000005_000019_2.png
Cosine Distance: 0.446
Euclidean Distance: 202.3869
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/hamburg_000000_057487_0.png
Cosine Distance: 0.3932
Euclidean Distance: 188.2281
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/tubingen_000031_000019_3.png
Cosine Distance: 0.4485
Euclidean Distance: 216.2611
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/hamburg_000000_048960_2.png
Cosine Distance: 0.4907
Euclidean Distance: 214.38
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/stuttgart_000187_000019_7.png
Cosine Distance: 0.5342
Euclidean Distance: 257.5794
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/bremen_000178_000019_1.png
Cosine Distance: 0.3368
Euclidean Distance: 173.9484
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/hamburg_000000_073389_6.png
Cosine Distance: 0.4603
Euclidean Distance: 210.8692
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/hamburg_000000_048138_1.png
Cosine Distance: 0.4667
Euclidean Distance: 214.0059
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/bremen_000187_000019_1.png
Cosine Distance: 0.5086
Euclidean Distance: 224.6341
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/frankfurt_000001_028335_3.png
Cosine Distance: 0.4585
Euclidean Distance: 229.384
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/munster_000042_000019_3.png
Cosine Distance: 0.5401
Euclidean Distance: 245.1949
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/strasbourg_000001_052497_1.png
Cosine Distance: 0.5058
Euclidean Distance: 255.2164
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/hamburg_000000_096624_6.png
Cosine Distance: 0.4579
Euclidean Distance: 198.8941
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/strasbourg_000000_029339_15.png
Cosine Distance: 0.6111
Euclidean Distance: 256.9456
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/darmstadt_000068_000019_6.png
Cosine Distance: 0.4045
Euclidean Distance: 200.7667
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/munster_000099_000019_0.png
Cosine Distance: 0.4735
Euclidean Distance: 234.5341
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/strasbourg_000000_029839_1.png
Cosine Distance: 0.4847
Euclidean Distance: 217.2701

datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/frankfurt_000001_017459_6.png
Cosine Distance: 0.5166
Euclidean Distance: 254.3865
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/munster_000062_000019_20.png
Cosine Distance: 0.4413
Euclidean Distance: 184.0737
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/zurich_000045_000019_0.png
Cosine Distance: 0.4227
Euclidean Distance: 202.4945
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/strasbourg_000001_051934_27.png
Cosine Distance: 0.3864
Euclidean Distance: 190.1901
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/frankfurt_000001_057478_37.png
Cosine Distance: 0.4298
Euclidean Distance: 215.5963
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/hanover_000000_044344_1.png
Cosine Distance: 0.4882
Euclidean Distance: 223.8612
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/munster_000010_000019_3.png
Cosine Distance: 0.418
Euclidean Distance: 185.1441
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/krefeld_000000_010329_0.png
Cosine Distance: 0.4936
Euclidean Distance: 236.3144
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/krefeld_000000_009574_3.png
Cosine Distance: 0.4978
Euclidean Distance: 239.863
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/strasbourg_000000_028628_11.png
Cosine Distance: 0.4698
Euclidean Distance: 215.4217
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/strasbourg_000001_005666_3.png
Cosine Distance: 0.4227
Euclidean Distance: 211.6994
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/bremen_000201_000019_8.png
Cosine Distance: 0.3918
Euclidean Distance: 182.9286
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/cologne_000008_000019_7.png
Cosine Distance: 0.4567
Euclidean Distance: 225.6638
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/strasbourg_000001_052198_34.png
Cosine Distance: 0.4885
Euclidean Distance: 227.2422
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/cologne_000148_000019_3.png
Cosine Distance: 0.4735
Euclidean Distance: 190.1234
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/hamburg_000000_062371_17.png
Cosine Distance: 0.5145
Euclidean Distance: 242.4792
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/munster_000010_000019_2.png
Cosine Distance: 0.5085
Euclidean Distance: 230.6708
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/bremen_000201_000019_9.png
Cosine Distance: 0.3854
Euclidean Distance: 185.593
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/strasbourg_000001_005666_2.png
Cosine Distance: 0.4491
Euclidean Distance: 230.1631
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/strasbourg_000000_028628_10.png
Cosine Distance: 0.5238
Euclidean Distance: 244.2138
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/krefeld_000000_009574_2.png
Cosine Distance: 0.4723
Euclidean Distance: 228.0939
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/krefeld_000000_010329_1.png
Cosine Distance: 0.3873
Euclidean Distance: 170.9492
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/frankfurt_000000_020321_5.png
Cosine Distance: 0.5529
Euclidean Distance: 270.4998
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/zurich_000045_000019_1.png
Cosine Distance: 0.4217
Euclidean Distance: 183.8895
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/hamburg_000000_046872_63.png
Cosine Distance: 0.4756
Euclidean Distance: 208.9355
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/frankfurt_000001_017459_7.png
Cosine Distance: 0.4097
Euclidean Distance: 204.2901
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/cologne_000095_000019_3.png
Cosine Distance: 0.4531
Euclidean Distance: 216.7337
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/frankfurt_000001_066092_0.png
Cosine Distance: 0.454
Euclidean Distance: 209.0006
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/munster_000033_000019_1.png
Cosine Distance: 0.3782
Euclidean Distance: 193.2887
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/frankfurt_000000_011461_1.png
Cosine Distance: 0.5579
Euclidean Distance: 278.2351
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/munster_000116_000019_1.png
Cosine Distance: 0.3914
Euclidean Distance: 189.1046
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/frankfurt_000001_061763_0.png
Cosine Distance: 0.3853
Euclidean Distance: 208.4982
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/weimar_000038_000019_9.png
Cosine Distance: 0.4684
Euclidean Distance: 243.5534
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/ulm_000092_000019_2.png
Cosine Distance: 0.5059
Euclidean Distance: 243.9329
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/strasbourg_000001_034923_12.png
Cosine Distance: 0.4373
Euclidean Distance: 212.2993
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/weimar_000028_000019_7.png
Cosine Distance: 0.4547
Euclidean Distance: 209.6819
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/frankfurt_000001_028335_2.png
Cosine Distance: 0.457
Euclidean Distance: 228.5388
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/aachen_000071_000019_16.png
Cosine Distance: 0.4519
Euclidean Distance: 204.6055
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/monchengladbach_000000_035083_4.png
Cosine Distance: 0.423
Euclidean Distance: 187.8915
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/zurich_000017_000019_1.png
Cosine Distance: 0.5215
Euclidean Distance: 228.0763
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/frankfurt_000001_012038_4.png
Cosine Distance: 0.5355
Euclidean Distance: 263.565
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/strasbourg_000001_056857_4.png
Cosine Distance: 0.4323
Euclidean Distance: 217.0109
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/hanover_000000_009420_7.png
Cosine Distance: 0.5092
Euclidean Distance: 222.8408
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/strasbourg_000000_025907_1.png
Cosine Distance: 0.4138
Euclidean Distance: 204.9409
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/krefeld_000000_023698_2.png
Cosine Distance: 0.4169
Euclidean Distance: 219.0947
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/munster_000026_000019_0.png
Cosine Distance: 0.3938
Euclidean Distance: 177.6988
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/weimar_000087_000019_8.png
Cosine Distance: 0.4228

Euclidean Distance: 199.9597
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/tubingen_000036_000019_2.png
Cosine Distance: 0.4799
Euclidean Distance: 233.5512
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/strasbourg_000000_026575_11.png
Cosine Distance: 0.4328
Euclidean Distance: 221.2176
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/erfurt_000071_000019_3.png
Cosine Distance: 0.4496
Euclidean Distance: 226.4457
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/bremen_000220_000019_5.png
Cosine Distance: 0.5549
Euclidean Distance: 242.5089
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/jena_000082_000019_7.png
Cosine Distance: 0.4178
Euclidean Distance: 181.8286
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/hamburg_000000_028608_2.png
Cosine Distance: 0.5082
Euclidean Distance: 265.6129
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/dusseldorf_000164_000019_0.png
Cosine Distance: 0.5224
Euclidean Distance: 237.7238
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/hanover_000000_027766_15.png
Cosine Distance: 0.4036
Euclidean Distance: 191.6299
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/frankfurt_000001_000538_5.png
Cosine Distance: 0.4814
Euclidean Distance: 251.3635
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/munster_000147_000019_15.png
Cosine Distance: 0.4507
Euclidean Distance: 195.5556
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/hamburg_000000_054555_5.png
Cosine Distance: 0.4069
Euclidean Distance: 190.3032
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/frankfurt_000001_057954_9.png
Cosine Distance: 0.3762
Euclidean Distance: 188.6393
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/strasbourg_000000_030706_14.png
Cosine Distance: 0.4186
Euclidean Distance: 185.5589
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/tubingen_000077_000019_0.png
Cosine Distance: 0.4813
Euclidean Distance: 270.8972
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/dusseldorf_000153_000019_1.png
Cosine Distance: 0.4613
Euclidean Distance: 218.0088
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/tubingen_000022_000019_0.png
Cosine Distance: 0.4657
Euclidean Distance: 243.0367
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/bremen_000044_000019_16.png
Cosine Distance: 0.5013
Euclidean Distance: 249.0248
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/hanover_000000_028202_2.png
Cosine Distance: 0.5088
Euclidean Distance: 221.4722
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/strasbourg_000000_026575_15.png
Cosine Distance: 0.5119
Euclidean Distance: 224.1367
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/frankfurt_000001_016029_2.png
Cosine Distance: 0.3945
Euclidean Distance: 187.3539
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/dusseldorf_000041_000019_4.png
Cosine Distance: 0.4298
Euclidean Distance: 225.3149
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/erfurt_000076_000019_7.png
Cosine Distance: 0.5695
Euclidean Distance: 241.4277
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/hanover_000000_048379_10.png
Cosine Distance: 0.5196
Euclidean Distance: 245.4848
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/cologne_000139_000019_4.png
Cosine Distance: 0.443
Euclidean Distance: 215.4024
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/weimar_000096_000019_5.png
Cosine Distance: 0.3591
Euclidean Distance: 169.7503
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/zurich_000102_000019_0.png
Cosine Distance: 0.5145
Euclidean Distance: 261.3485
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/weimar_000129_000019_0.png
Cosine Distance: 0.4433
Euclidean Distance: 231.8481
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/hamburg_000000_061468_2.png
Cosine Distance: 0.4756
Euclidean Distance: 234.7509
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/tubingen_000115_000019_1.png
Cosine Distance: 0.4184
Euclidean Distance: 200.6636
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/bremen_000257_000019_5.png
Cosine Distance: 0.3785
Euclidean Distance: 188.5647
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/strasbourg_000001_061472_2.png
Cosine Distance: 0.464
Euclidean Distance: 234.9644
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/strasbourg_000000_011880_0.png
Cosine Distance: 0.5193
Euclidean Distance: 257.8811
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/lindau_000047_000019_0.png
Cosine Distance: 0.4296
Euclidean Distance: 207.6665
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/strasbourg_000001_052497_4.png
Cosine Distance: 0.4375
Euclidean Distance: 218.3773
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/hamburg_000000_033506_9.png
Cosine Distance: 0.4825
Euclidean Distance: 219.332
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/frankfurt_000001_010156_4.png
Cosine Distance: 0.4785
Euclidean Distance: 226.1066
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/tubingen_000007_000019_4.png
Cosine Distance: 0.5145
Euclidean Distance: 236.0417
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/strasbourg_000001_051934_22.png
Cosine Distance: 0.5251
Euclidean Distance: 236.1602
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/hanover_000000_053437_1.png
Cosine Distance: 0.3812
Euclidean Distance: 195.3501
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/bochum_000000_002562_1.png
Cosine Distance: 0.5083
Euclidean Distance: 240.1534
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/hanover_000000_030546_5.png
Cosine Distance: 0.2995
Euclidean Distance: 142.4399
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/darmstadt_000068_000019_3.png
Cosine Distance: 0.4493
Euclidean Distance: 208.8742
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/strasbourg_000000_017450_3.png
Cosine Distance: 0.4358
Euclidean Distance: 196.5205
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/hamburg_000000_105724_19.png
Cosine Distance: 0.4297
Euclidean Distance: 193.2556
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/frankfurt_000001_031416_6.png
Cosine Distance: 0.4184
Euclidean Distance: 198.6541
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/hanover_000000_042382_10.png
Cosine Distance: 0.415
Euclidean Distance: 205.0432
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/hanover_000000_023239_7.png

Cosine Distance: 0.5473
Euclidean Distance: 255.2513
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/krefeld_000000_019125_1.png
Cosine Distance: 0.5295
Euclidean Distance: 243.5384
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/strasbourg_000000_029729_22.png
Cosine Distance: 0.425
Euclidean Distance: 193.86
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/hanover_000000_023239_6.png
Cosine Distance: 0.4229
Euclidean Distance: 185.6949
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/hamburg_000000_105724_18.png
Cosine Distance: 0.3901
Euclidean Distance: 193.3973
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/jena_000019_000019_0.png
Cosine Distance: 0.5074
Euclidean Distance: 236.1833
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/darmstadt_000068_000019_2.png
Cosine Distance: 0.4179
Euclidean Distance: 194.681
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/tubingen_000007_000019_5.png
Cosine Distance: 0.3707
Euclidean Distance: 172.5923
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/strasbourg_000001_052497_5.png
Cosine Distance: 0.455
Euclidean Distance: 203.9072
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/monchengladbach_000000_015685_1.png
Cosine Distance: 0.4409
Euclidean Distance: 201.0359
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/tubingen_000062_000019_0.png
Cosine Distance: 0.5079
Euclidean Distance: 228.1784
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/aachen_000097_000019_6.png
Cosine Distance: 0.4301
Euclidean Distance: 189.6802
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/hanover_000000_013814_5.png
Cosine Distance: 0.4784
Euclidean Distance: 225.9761
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/strasbourg_000000_030017_6.png
Cosine Distance: 0.4345
Euclidean Distance: 204.6091
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/weimar_000129_000019_1.png
Cosine Distance: 0.4053
Euclidean Distance: 192.5131
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/frankfurt_000001_015768_0.png
Cosine Distance: 0.4909
Euclidean Distance: 238.2572
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/zurich_000102_000019_1.png
Cosine Distance: 0.4558
Euclidean Distance: 207.8216
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/hamburg_000000_048138_5.png
Cosine Distance: 0.4903
Euclidean Distance: 238.6682
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/erfurt_000076_000019_6.png
Cosine Distance: 0.5069
Euclidean Distance: 227.5785
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/strasbourg_000001_039446_9.png
Cosine Distance: 0.4784
Euclidean Distance: 220.7033
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/strasbourg_000000_033838_5.png
Cosine Distance: 0.3842
Euclidean Distance: 193.6387
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/hamburg_000000_030953_1.png
Cosine Distance: 0.5197
Euclidean Distance: 269.8208
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/hamburg_000000_054029_35.png
Cosine Distance: 0.2765
Euclidean Distance: 133.3291
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/frankfurt_000001_051737_16.png
Cosine Distance: 0.4729
Euclidean Distance: 245.1063
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/frankfurt_000001_012699_11.png
Cosine Distance: 0.5267
Euclidean Distance: 258.2513
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/hamburg_000000_102379_13.png
Cosine Distance: 0.3935
Euclidean Distance: 202.4036
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/strasbourg_000000_026575_14.png
Cosine Distance: 0.3859
Euclidean Distance: 175.9152
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/hanover_000000_028202_3.png
Cosine Distance: 0.5604
Euclidean Distance: 277.7361
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/erfurt_000071_000019_6.png
Cosine Distance: 0.5839
Euclidean Distance: 272.0994
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/zurich_000035_000019_0.png
Cosine Distance: 0.3813
Euclidean Distance: 219.4068
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/strasbourg_000001_009097_1.png
Cosine Distance: 0.516
Euclidean Distance: 240.1812
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/munster_000142_000019_3.png
Cosine Distance: 0.4735
Euclidean Distance: 216.1631
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/dusseldorf_000153_000019_0.png
Cosine Distance: 0.4615
Euclidean Distance: 212.4487
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/bremen_000256_000019_3.png
Cosine Distance: 0.4375
Euclidean Distance: 208.7353
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/strasbourg_000001_001449_0.png
Cosine Distance: 0.4879
Euclidean Distance: 222.5508
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/munster_000147_000019_16.png
Cosine Distance: 0.5022
Euclidean Distance: 249.2914
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/cologne_000138_000019_0.png
Cosine Distance: 0.4699
Euclidean Distance: 211.2787
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/hamburg_000000_044251_10.png
Cosine Distance: 0.5276
Euclidean Distance: 253.7226
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/munster_000035_000019_1.png
Cosine Distance: 0.5281
Euclidean Distance: 229.8579
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/strasbourg_000000_022067_1.png
Cosine Distance: 0.3855
Euclidean Distance: 198.4962
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/lindau_000024_000019_1.png
Cosine Distance: 0.4844
Euclidean Distance: 239.56
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/bremen_000044_000019_15.png
Cosine Distance: 0.3863
Euclidean Distance: 173.5205
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/weimar_000093_000019_9.png
Cosine Distance: 0.4672
Euclidean Distance: 209.6922
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/strasbourg_000000_016247_18.png
Cosine Distance: 0.4357
Euclidean Distance: 197.9966
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/frankfurt_000001_011162_19.png
Cosine Distance: 0.5883
Euclidean Distance: 268.3626
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/hanover_000000_028202_1.png
Cosine Distance: 0.4898
Euclidean Distance: 223.2881
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/munster_000043_000019_2.png
Cosine Distance: 0.4871
Euclidean Distance: 256.3845

datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/tubingen_000123_000019_0.png
Cosine Distance: 0.444
Euclidean Distance: 211.1635
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/strasbourg_000001_033027_1.png
Cosine Distance: 0.4277
Euclidean Distance: 218.9474
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/frankfurt_000001_051737_14.png
Cosine Distance: 0.4448
Euclidean Distance: 202.2053
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/tubingen_000025_000019_3.png
Cosine Distance: 0.4109
Euclidean Distance: 198.8852
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/munster_000050_000019_4.png
Cosine Distance: 0.5383
Euclidean Distance: 244.6806
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/hamburg_000000_044251_9.png
Cosine Distance: 0.393
Euclidean Distance: 185.8629
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/frankfurt_000001_012038_3.png
Cosine Distance: 0.4670
Euclidean Distance: 219.8968
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/nonchengladbach_000000_035083_3.png
Cosine Distance: 0.4653
Euclidean Distance: 207.7351
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/weimar_000096_000019_6.png
Cosine Distance: 0.4275
Euclidean Distance: 203.0255
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/munster_000143_000019_17.png
Cosine Distance: 0.5113
Euclidean Distance: 230.3967
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/weimar_000082_000019_0.png
Cosine Distance: 0.482
Euclidean Distance: 221.0206
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/hamburg_000000_048138_7.png
Cosine Distance: 0.4603
Euclidean Distance: 202.2695
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/munster_000102_000019_0.png
Cosine Distance: 0.5015
Euclidean Distance: 257.2021
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/cologne_000129_000019_9.png
Cosine Distance: 0.4622
Euclidean Distance: 226.2988
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/strasbourg_000001_051934_21.png
Cosine Distance: 0.5603
Euclidean Distance: 263.7154
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/strasbourg_000001_057191_6.png
Cosine Distance: 0.5952
Euclidean Distance: 265.5096
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/frankfurt_000001_055306_8.png
Cosine Distance: 0.4051
Euclidean Distance: 210.6214
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/frankfurt_000001_031416_5.png
Cosine Distance: 0.5022
Euclidean Distance: 243.2824
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/strasbourg_000000_007441_13.png
Cosine Distance: 0.4148
Euclidean Distance: 190.6924
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/jena_000058_000019_4.png
Cosine Distance: 0.5011
Euclidean Distance: 225.7205
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/frankfurt_000001_079206_0.png
Cosine Distance: 0.481
Euclidean Distance: 228.5043
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/dusseldorf_000015_000019_0.png
Cosine Distance: 0.5678
Euclidean Distance: 248.5673
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/krefeld_000000_019125_2.png
Cosine Distance: 0.4423
Euclidean Distance: 236.2409
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/hamburg_000000_045704_50.png
Cosine Distance: 0.4064
Euclidean Distance: 225.045
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/hanover_000000_023239_5.png
Cosine Distance: 0.4853
Euclidean Distance: 205.5355
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/strasbourg_000001_005666_4.png
Cosine Distance: 0.4408
Euclidean Distance: 224.9162
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/dusseldorf_000015_000019_1.png
Cosine Distance: 0.4736
Euclidean Distance: 212.0197
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/hamburg_000000_062371_11.png
Cosine Distance: 0.4532
Euclidean Distance: 222.1397
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/hamburg_000000_086636_8.png
Cosine Distance: 0.4135
Euclidean Distance: 194.1602
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/strasbourg_000001_010162_1.png
Cosine Distance: 0.4267
Euclidean Distance: 197.4085
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/strasbourg_000000_029339_12.png
Cosine Distance: 0.4647
Euclidean Distance: 215.1472
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/strasbourg_000001_039446_10.png
Cosine Distance: 0.4322
Euclidean Distance: 211.6524
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/munster_000042_000019_4.png
Cosine Distance: 0.4045
Euclidean Distance: 190.8601
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/cologne_000129_000019_8.png
Cosine Distance: 0.508
Euclidean Distance: 235.4774
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/aachen_000097_000019_5.png
Cosine Distance: 0.3847
Euclidean Distance: 172.4279
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/hamburg_000000_048138_6.png
Cosine Distance: 0.4218
Euclidean Distance: 220.2158
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/weimar_000096_000019_7.png
Cosine Distance: 0.3808
Euclidean Distance: 185.7829
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/nonchengladbach_000000_035083_2.png
Cosine Distance: 0.3715
Euclidean Distance: 179.0076
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/frankfurt_000001_012038_2.png
Cosine Distance: 0.4552
Euclidean Distance: 220.106
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/weimar_000019_000019_3.png
Cosine Distance: 0.4462
Euclidean Distance: 214.7802
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/strasbourg_000000_033838_6.png
Cosine Distance: 0.5704
Euclidean Distance: 284.8659
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/dusseldorf_000076_000019_3.png
Cosine Distance: 0.4287
Euclidean Distance: 189.2804
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/munster_000133_000019_3.png
Cosine Distance: 0.4136
Euclidean Distance: 210.9036
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/tubingen_000123_000019_1.png
Cosine Distance: 0.4721
Euclidean Distance: 253.345
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/hanover_000000_028202_0.png
Cosine Distance: 0.3616
Euclidean Distance: 168.4529
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/erfurt_000065_000019_3.png
Cosine Distance: 0.3359
Euclidean Distance: 164.9544
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/strasbourg_000000_016247_19.png
Cosine Distance: 0.3932

Euclidean Distance: 177.7814
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/nonchengladbach_000000_030662_0.png
Cosine Distance: 0.5055
Euclidean Distance: 217.6867
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/munster_000060_000019_0.png
Cosine Distance: 0.3575
Euclidean Distance: 174.3127
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/munster_000035_000019_0.png
Cosine Distance: 0.4505
Euclidean Distance: 216.0051
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/erfurt_000046_000019_0.png
Cosine Distance: 0.4977
Euclidean Distance: 234.6801
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/strasbourg_000001_001449_1.png
Cosine Distance: 0.4651
Euclidean Distance: 209.5241
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/cologne_000138_000019_1.png
Cosine Distance: 0.4523
Euclidean Distance: 215.8503
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/munster_000147_000019_17.png
Cosine Distance: 0.5173
Euclidean Distance: 255.1445
datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png datasets_1200_w40_solid/cropped_train/hanover_000000_044085_6.png
Cosine Distance: 0.4417
Euclidean Distance: 216.3498

Image pairs with lowest cosine distance
[[('datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png', 'datasets_1200_w40_solid/cropped_train/strasbourg_000000_029339_15.png'), (0.6111), (('datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png', 'datasets_1200_w40_solid/cropped_train/cologne_000105_000019_4.png'), (0.6026), (('datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png', 'datasets_1200_w40_solid/cropped_train/stuttgart_000161_000019_10.png'), (0.6006), (('datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png', 'datasets_1200_w40_solid/cropped_train/strasbourg_000001_060173_1.png'), (0.5972), (('datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png', 'datasets_1200_w40_solid/cropped_train/strasbourg_000001_057191_6.png'), (0.5952))]
Image pairs with highest cosine distance
[[('datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png', 'datasets_1200_w40_solid/cropped_train/hanover_000000_048379_5.png'), (0.2875), (('datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png', 'datasets_1200_w40_solid/cropped_train/frankfurt_000001_034047_4.png'), (0.2803), (('datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png', 'datasets_1200_w40_solid/cropped_train/hamburg_000000_054029_35.png'), (0.2765), (('datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png', 'datasets_1200_w40_solid/cropped_train/munster_000062_000019_16.png'), (0.2733), (('datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png', 'datasets_1200_w40_solid/cropped_train/jena_000056_000019_0.png'), (0.2658))]

Image pairs with lowest euclidean distance
[[('datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png', 'datasets_1200_w40_solid/cropped_train/hamburg_000000_103075_54.png'), (296.2547), (('datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png', 'datasets_1200_w40_solid/cropped_train/stuttgart_000101_000019_0.png'), (292.415), (('datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png', 'datasets_1200_w40_solid/cropped_train/hanover_000000_040221_5.png'), (290.7755), (('datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png', 'datasets_1200_w40_solid/cropped_train/strasbourg_000000_033129_7.png'), (290.2903), (('datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png', 'datasets_1200_w40_solid/cropped_train/strasbourg_000000_028822_22.png'), (289.1263))]
Image pairs with highest euclidean distance
[[('datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png', 'datasets_1200_w40_solid/cropped_train/krefeld_000000_018004_3.png'), (141.4044), (('datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png', 'datasets_1200_w40_solid/cropped_train/hamburg_000000_098400_24.png'), (139.1776), (('datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png', 'datasets_1200_w40_solid/cropped_train/munster_000062_000019_16.png'), (126.4008), (('datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047_4.png', 'datasets_1200_w40_solid/cropped_train/jena_000056_000019_0.png'), (123.7869))]

(torchreid) Kaleighs-MacBook-Pro-2:deep-person-reid-master kaleighahara\$ python save_features.py --image_dir 'datasets/images_different/cropped'/
/Users/kaleighahara/Desktop/Thesis/REPO/AnonymizePeople/deep-person-reid-master/torchreid/metrics/rank.py:12: UserWarning: Cython evaluation (very fast so highly recommended) is unavailable, now use python evaluation.
"Cython evaluation (very fast so highly recommended) is "
usage: save_features.py [-h] --image_dir IMAGE_DIR
save_features.py: error: the following arguments are required: --image_dir
(torchreid) Kaleighs-MacBook-Pro-2:deep-person-reid-master kaleighahara\$ python save_features.py --image_dir 'datasets/images_different/cropped'/
/Users/kaleighahara/Desktop/Thesis/REPO/AnonymizePeople/deep-person-reid-master/torchreid/metrics/rank.py:12: UserWarning: Cython evaluation (very fast so highly recommended) is unavailable, now use python evaluation.
"Cython evaluation (very fast so highly recommended) is "
image_files ['datasets/images_different/cropped/zurich_000076_000019_0.png', 'datasets/images_different/cropped/zurich_000106_000019_3.png']
Successfully loaded imagenet pretrained weights from "Users/kaleighahara/.cache/torch/checkpoints/osnet_ain_x1_0_imagenet.pth"
** The following layers are discarded due to unmatched keys or layer size: ['classifier.weight', 'classifier.bias']
/Users/kaleighahara/anaconda3/envs/torchreid/lib/python3.7/site-packages/torch/nn/functional.py:718: UserWarning: Named tensors and all their associated APIs are an experimental feature and subject to change. Please do not use them for anything important until they are released as stable. (Triggered internally at /Users/distiller/project/conda/conda-bld/pytorch.1623459064158/work/c10/core/TensorImpl.h:1156.)
return torch.max_pool2d(input, kernel_size, stride, padding, dilation, ceil_mode)
Model: osnet_ain_x1_0
- params: 2,193,616
- flops: 978,878,352
Successfully loaded pretrained weights from "weights/osnet_ain_x1_0_dukemtcreid_256x128_omsgrad_ep90_lr0.0015_coslr_b64_fb10_softmax_labsmth_flip_jitter.pth"
** The following layers are discarded due to unmatched keys or layer size: ['classifier.weight', 'classifier.bias']

features torch.Size([2, 512])
saved_features ['zurich_000076_000019_0': tensor([1.1451, 0.4779, 0.4075, 0.0000, 0.8866, 0.2786, 0.5067, 0.6873, 0.5311, 0.0846, 0.0000, 1.0673, 0.0000, 0.0000, 0.9864, 0.6878, 1.3782, 0.2564, 0.0000, 0.0000, 1.6854, 0.0110, 0.0000, 1.3459, 0.0958, 0.2741, 0.0000, 1.1668, 0.4649, 1.4600, 0.0000, 1.2608, 0.0000, 1.2347, 0.5694, 0.0275, 0.7872, 0.3303, 0.0748, 0.0530, 0.0000, 0.2223, 0.1194, 0.0000, 0.0854, 0.6479, 0.0000, 0.0000, 0.0000, 0.9192, 0.0000, 0.5435, 0.0000, 1.6197, 1.6584, 0.1072, 0.3485, 0.0000, 0.0000, 0.5298, 0.2095, 0.7508, 0.0000, 0.2889, 0.0000, 0.9819, 0.1921, 1.9377, 0.0000, 0.0000, 0.0948, 0.5049, 0.8456, 0.1304, 0.6470, 0.0000, 0.6820, 0.7737, 0.2294, 1.2590, 0.0000, 0.0000, 0.7925, 1.2654, 0.5237, 0.7195, 0.1801, 0.3713, 0.0000, 0.0980, 0.2568, 0.1318, 0.9778, 0.9893, 0.7581, 0.7689, 0.7154, 0.5775, 0.0000, 1.0236, 0.2211, 0.5268, 0.0000, 0.4562, 0.0000, 0.0301, 0.3137, 0.0000, 0.0000, 0.4253, 0.1879, 0.7769, 0.3424, 0.8710, 0.7240, 2.1310, 0.0000, 0.5485, 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0.0000, 0.0065, 2.0671, 0.8766, 0.6173, 1.0322, 0.4511, 0.0000, 0.1371, 0.9292, 0.0000, 0.0000, 0.7598, 1.6778, 0.4384, 0.2245, 1.5635, 0.9781, 1.2497], 'zurich_000106_000019_3': tensor([3.1582e-01, 0.0000e+00, 1.8648e-01, 3.5362e-01, 0.0000e+00, 2.4627e-01, 9.4103e-01, 1.7052e+00, 3.2543e-01, 9.4639e-01, 0.0000e+00, 6.3676e-01, 5.8945e-01, 6.4538e-01, 1.1338e+00, 6.3734e-01, 2.8674e-01, 9.0006e-01, 1.5710e-01, 6.2662e+00, 0.0000e+00, 3.1515e-01, 0.0000e+00, 0.0000e+00, 0.0000e+00, 2.0451e+00, 1.1968e+00, 0.0000e+00, 0.0000e+00, 6.7528e-01, 0.0000e+00, 0.0000e+00, 1.2766e+00, 1.1031e+00, 1.3061e+00, 6.3307e-01, 1.0153e+00, 3.2131e-01, 0.0000e+00, 9.1193e-01, 5.0138e-01, 0.0000e+00, 4.2960e-01, 6.9767e-01, 1.1280e+00, 3.5888e-01, 1.3180e-01, 0.0000e+00, 2.6883e-01, 0.0000e+00, 1.4481e-01, 9.1149e-01, 7.3045e-01, 3.8648e-01, 4.9374e-01, 2.3598e-01, 0.0000e+00, 2.7013e-01, 7.3531e-02, 1.2287e+00, 9.4557e-01, 1.7101e-01, 0.0000e+00, 0.0000e+00, 1.0539e-01, 7.2898e-01, 1.2720e+00, 1.5501e+00, 0.0000e+00, 5.5350e-03, 2.5158e-01, 5.8679e-01, 0.0000e+00, 1.1791e+00, 7.1919e-01, 1.0926e+00, 5.0322e-01, 8.0070e-01, 3.8539e-01, 4.1138e-01, 1.9001e-01, 2.4644e-01, 2.8085e-01, 0.0000e+00,

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0.0000e+00, 0.0000e+00, 7.8483e-01, 1.1354e+00, 0.0000e+00, 1.9195e-01,
6.3900e-01, 3.6077e-01, 7.1715e-01, 4.1685e-01, 4.6045e-01, 5.7734e-01,
2.4426e-02, 1.1771e+00, 6.6955e-01, 9.0844e-01, 0.0000e+00, 1.2791e-01,
7.7466e-01, 2.5381e+00, 5.0125e-01, 0.0000e+00, 9.2992e-02, 0.0000e+00,
6.2295e-01, 8.7851e-01, 2.0217e-01, 6.9269e-02, 9.3975e-01, 6.4147e-01,
3.5301e-01, 0.0000e+00, 1.6513e+00, 0.0000e+00, 2.5641e-01, 3.2234e-01,
0.0000e+00, 1.6717e-01, 8.4051e-02, 1.2202e+00, 5.3014e-01, 9.7475e-02,
6.3135e-03, 9.3442e-01, 0.0000e+00, 3.1499e-01, 0.0000e+00, 0.0000e+00,
9.9718e-01, 7.1712e-01, 0.0000e+00, 0.0000e+00, 0.0000e+00, 0.0000e+00,
3.9076e-01, 7.4581e-01, 0.0000e+00, 9.9073e-01, 1.4635e+00, 0.0000e+00,
0.0000e+00, 3.6597e-01, 4.9621e-01, 4.2108e-01, 5.3983e-01, 1.7867e-01,
3.2694e-01, 4.4750e-01, 0.0000e+00, 1.1500e-01, 1.6249e-01, 1.6330e+00,
3.5590e-01, 0.0000e+00, 1.1578e+00, 2.6643e-01, 6.5030e-01, 0.0000e+00,
8.0913e-01, 0.0000e+00, 1.9381e-01, 0.0000e+00, 1.4372e-01, 1.4585e+00,
0.0000e+00, 0.0000e+00, 6.9501e-02, 6.0675e-01, 5.1396e-01, 3.5315e-01,
2.3442e-01, 9.7713e-01, 4.7177e-01, 2.5887e-01, 1.0443e-01, 0.0000e+00,
0.0000e+00, 3.5987e-01, 2.6277e+00, 1.5592e-01, 1.3586e+00, 7.9929e-01,
2.7977e-01, 2.0526e-01, 2.5337e-01, 0.0000e+00, 1.5241e+00, 6.1341e-01,
8.8276e-01, 3.8663e-01, 6.6988e-01, 5.7405e-01, 4.0257e-01, 1.2687e+00,
7.9039e-01, 2.4968e-01, 0.0000e+00, 5.1204e-01, 8.0085e-02, 4.3502e-02,
2.0684e+00, 1.6126e-01, 6.5599e-01, 1.1250e+00, 5.2863e-01, 1.2825e+00,
5.5305e-01, 8.3081e-02, 0.0000e+00, 1.0771e+00, 5.0183e-01, 7.6761e-03,
1.4421e+00, 0.0000e+00, 0.0000e+00, 1.3654e+00, 6.7303e-01, 1.2670e+00,
6.5871e-01, 1.1117e+00, 1.9227e-01, 1.9939e-03, 5.9302e-01, 1.5371e+00,
2.2383e+00, 0.0000e+00, 9.6089e-02, 6.0134e-01, 0.0000e+00, 0.0000e+00,
1.1879e+00, 0.0000e+00, 6.5627e-01, 0.0000e+00, 1.3910e+00, 4.9422e-01,
0.0000e+00, 1.5532e+00, 4.1215e-01, 1.3166e+00, 1.3116e+00, 0.0000e+00,
4.0266e-01, 7.2507e-01, 0.0000e+00, 1.2827e+00, 0.0000e+00, 7.8525e-02,
8.6824e-01, 0.0000e+00, 1.4873e-01, 7.9221e-01, 5.5103e-01, 5.5594e-01,
0.0000e+00, 2.2625e-01, 5.1031e-02, 3.3386e-01, 4.6546e-01, 3.8882e-02,
7.2636e-01, 0.0000e+00, 9.4255e-02, 0.0000e+00, 3.7567e-01, 2.1689e-01,
0.0000e+00, 2.0201e+00, 0.0000e+00, 1.2334e+00, 5.8376e-01, 0.0000e+00,
6.4080e-01, 2.9396e-01, 3.7873e-01, 0.0000e+00, 0.0000e+00, 3.4610e-01,
0.0000e+00, 1.4357e-01, 7.0162e-01, 4.4452e-01, 0.0000e+00, 1.4318e+00,
1.5017e-01, 0.0000e+00, 0.0000e+00, 4.1949e-01, 2.3366e-01, 0.0000e+00,
0.0000e+00, 0.0000e+00, 7.9953e-01, 0.0000e+00, 0.0000e+00, 1.0889e+00,
0.0000e+00, 3.8148e-01, 1.2712e-01, 0.0000e+00, 9.0217e-01, 0.0000e+00,
0.0000e+00, 1.0262e-01, 4.9018e-01, 0.0000e+00, 1.0170e-01, 1.4975e-01,
5.3846e-01, 0.0000e+00, 0.0000e+00, 0.0000e+00, 7.3093e-01, 9.7934e-02,
2.0921e-01, 7.3515e-01, 1.3333e+00, 3.3214e-01, 2.7200e-01, 4.6346e-02,
1.0344e+00, 0.0000e+00, 0.0000e+00, 0.0000e+00, 0.0000e+00, 1.5222e+00,
5.2312e-01, 1.4369e+00, 6.3112e-01, 3.0402e-01, 0.0000e+00, 0.0000e+00,
0.0000e+00, 1.3128e-01, 1.4571e-01, 0.0000e+00, 1.1314e+00, 0.0000e+00,
3.6137e-01, 0.0000e+00, 4.2728e-01, 6.4364e-01, 2.6189e-01, 1.2612e+00,
3.4842e-01, 1.0696e-01, 1.1035e-02, 1.4058e+00, 0.0000e+00, 7.4976e-01,
3.8091e-01, 0.0000e+00, 4.4490e-01, 6.7618e-02, 0.0000e+00, 4.6915e-01,
0.0000e+00, 2.7430e-01, 0.0000e+00, 6.0500e-01, 1.0884e-01, 9.6344e-01,
6.7402e-01, 6.4872e-01, 0.0000e+00, 0.0000e+00, 8.1971e-01, 4.9486e-01,
4.5930e-01, 0.0000e+00, 4.1860e-01, 0.0000e+00, 6.6379e-01, 0.0000e+00,
0.0000e+00, 0.0000e+00, 2.3529e-01, 2.7192e-01, 5.0757e-01, 6.6135e-01,
8.2013e-01, 4.1800e-01, 1.9446e+00, 2.5127e-01, 1.4909e+00, 1.9176e+00,
3.8193e-02, 7.9787e-01, 1.5653e+00, 1.4229e-01, 0.0000e+00, 5.8710e-02,
9.5794e-01, 9.9543e-01, 0.0000e+00, 1.4144e+00, 1.7597e+00, 3.3712e-02,
4.1703e-02, 6.0993e-01, 1.0900e+00, 5.5169e-01, 9.8423e-01, 5.6511e-01,
0.0000e+00, 3.3557e-01, 0.0000e+00, 0.0000e+00, 3.3918e-02, 1.8548e+00,
7.6060e-01, 8.0444e-01, 9.9831e-01, 4.8617e-01, 2.8557e-01, 1.6771e+00,
0.0000e+00, 1.0275e-01, 0.0000e+00, 0.0000e+00, 1.1894e-01, 0.0000e+00,
3.0426e-01, 4.7278e-01, 2.7169e-01, 7.9201e-01, 1.1271e+00, 4.3407e-01,
6.2953e-01, 3.7607e-01, 2.5047e-01, 4.9238e-01, 3.6517e-01, 0.0000e+00,
0.0000e+00, 0.0000e+00, 1.0543e-01, 0.0000e+00, 1.8490e+00, 1.7945e+00,
2.2717e-01, 8.1705e-01, 4.5575e-01, 0.0000e+00, 1.9478e-01, 8.7447e-01,
4.3778e-01, 3.8927e-01, 6.4952e-01, 1.2977e+00, 0.0000e+00, 4.6603e-01,
8.5254e-01, 1.1219e+00, 0.0000e+00, 0.0000e+00, 9.0954e-03, 2.3495e-01,
1.9343e+00, 2.0778e-01, 6.9058e-01, 7.0775e-01, 2.3430e-02, 3.4007e-02,
5.9149e-01, 0.0000e+00, 5.2719e-01, 8.9474e-02, 1.6002e+00, 1.9320e-02,
6.5086e-01, 0.0000e+00, 6.7025e-01, 1.0805e-01, 2.1440e-01, 4.6232e-01,
6.2363e-01, 1.1772e+00, 2.5300e+00, 0.0000e+00, 2.0476e-02, 1.4076e+00,
4.0597e-01, 2.5762e-01, 0.0000e+00, 6.1903e-01, 0.0000e+00, 6.7430e-02,
0.0000e+00, 0.0000e+00, 9.6026e-01, 2.9016e-04, 2.1586e-02, 0.0000e+00,
3.4162e-01, 1.4942e+00]}}
(torchreid) Kaleighs-MacBook-Pro-2:deep-person-reid-master kaleighohara$ python save_features.py --image_dir 'datasets/images_different/cropped'
/Users/kaleighohara/Desktop/Thesis/REPO/AnonymizePeople/deep-person-reid-master/torchreid/metrics/rank.py:12: UserWarning: Cython evaluation (very fast so highly recommended) is unavailable, now use python evaluation.
  'Cython evaluation (very fast so highly recommended) is '
image_files ['datasets/images_different/cropped/zurich_000076_000019_0.png', 'datasets/images_different/cropped/zurich_000106_000019_3.png']
Successfully loaded imagenet pretrained weights from "/Users/kaleighohara/.cache/torch/checkpoints/osnet_ain_x1_0_imagenet.pth"
** The following layers are discarded due to unmatched keys or layer size: ['classifier.weight', 'classifier.bias']
/Users/kaleighohara/anaconda3/envs/torchreid/lib/python3.7/site-packages/torch/nn/functional.py:718: UserWarning: Named tensors and all their associated APIs are an experimental feature and subject to change. Please do not use them for anything important until they are released as stable. (Triggered internally at /Users/distiller/project/conda/conda-bld/pytorch_1623459064158/work/c10/core/TensorImpl.h:1156.)
  return torch.max_pool2d(input, kernel_size, stride, padding, dilation, ceil_mode)
Model: osnet_ain_x1_0
- params: 2,193,616
- flops: 978,878,352
Successfully loaded pretrained weights from "weights/osnet_ain_x1_0_dukemtmcrid_256x128_amsgrad_ep90_lr0.0015_coslr_b64_fb10_softmax_labsmth_flip_jitter.pth"
** The following layers are discarded due to unmatched keys or layer size: ['classifier.weight', 'classifier.bias']

features torch.Size([2, 512])
saved_features dict_keys(['zurich_000076_000019_0', 'zurich_000106_000019_3'])
(torchreid) Kaleighs-MacBook-Pro-2:deep-person-reid-master kaleighohara$ python save_features.py --image_dir 'datasets/images_different/cropped'
(torchreid) Kaleighs-MacBook-Pro-2:Thesis/REPO/AnonymizePeople/deep-person-reid-master/torchreid/metrics/rank.py:12: UserWarning: Cython evaluation (very fast so highly recommended) is unavailable, now use python evaluation.
  'Cython evaluation (very fast so highly recommended) is '
Successfully loaded imagenet pretrained weights from "/Users/kaleighohara/.cache/torch/checkpoints/osnet_ain_x1_0_imagenet.pth"
** The following layers are discarded due to unmatched keys or layer size: ['classifier.weight', 'classifier.bias']
/Users/kaleighohara/anaconda3/envs/torchreid/lib/python3.7/site-packages/torch/nn/functional.py:718: UserWarning: Named tensors and all their associated APIs are an experimental feature and subject to change. Please do not use them for anything important until they are released as stable. (Triggered internally at /Users/distiller/project/conda/conda-bld/pytorch_1623459064158/work/c10/core/TensorImpl.h:1156.)
  return torch.max_pool2d(input, kernel_size, stride, padding, dilation, ceil_mode)
Model: osnet_ain_x1_0
- params: 2,193,616
- flops: 978,878,352
Successfully loaded pretrained weights from "weights/osnet_ain_x1_0_dukemtmcrid_256x128_amsgrad_ep90_lr0.0015_coslr_b64_fb10_softmax_labsmth_flip_jitter.pth"
** The following layers are discarded due to unmatched keys or layer size: ['classifier.weight', 'classifier.bias']

features torch.Size([2, 512])
(torchreid) Kaleighs-MacBook-Pro-2:deep-person-reid-master kaleighohara$ python save_features.py --image_dir 'datasets/1200_w40_solid/cropped_train'
/Users/kaleighohara/Desktop/Thesis/REPO/AnonymizePeople/deep-person-reid-master/torchreid/metrics/rank.py:12: UserWarning: Cython evaluation (very fast so highly recommended) is unavailable, now use python evaluation.
  'Cython evaluation (very fast so highly recommended) is '
Successfully loaded imagenet pretrained weights from "/Users/kaleighohara/.cache/torch/checkpoints/osnet_ain_x1_0_imagenet.pth"
** The following layers are discarded due to unmatched keys or layer size: ['classifier.weight', 'classifier.bias']
/Users/kaleighohara/anaconda3/envs/torchreid/lib/python3.7/site-packages/torch/nn/functional.py:718: UserWarning: Named tensors and all their associated APIs are an experimental feature and subject to change. Please do not use them for anything important until they are released as stable. (Triggered internally at /Users/distiller/project/conda/conda-bld/pytorch_1623459064158/work/c10/core/TensorImpl.h:1156.)
  return torch.max_pool2d(input, kernel_size, stride, padding, dilation, ceil_mode)
Model: osnet_ain_x1_0
- params: 2,193,616
- flops: 978,878,352
Successfully loaded pretrained weights from "weights/osnet_ain_x1_0_dukemtmcrid_256x128_amsgrad_ep90_lr0.0015_coslr_b64_fb10_softmax_labsmth_flip_jitter.pth"
** The following layers are discarded due to unmatched keys or layer size: ['classifier.weight', 'classifier.bias']

features torch.Size([1200, 512])
(torchreid) Kaleighs-MacBook-Pro-2:deep-person-reid-master kaleighohara$ python compare_features.py --image_dir 'saved_features_torchreid_datasets_images_different_cropped.pkl'
/Users/kaleighohara/Desktop/Thesis/REPO/AnonymizePeople/deep-person-reid-master/torchreid/metrics/rank.py:12: UserWarning: Cython evaluation (very fast so highly recommended) is unavailable, now use python evaluation.
  'Cython evaluation (very fast so highly recommended) is '
Successfully loaded imagenet pretrained weights from "/Users/kaleighohara/.cache/torch/checkpoints/osnet_ain_x1_0_imagenet.pth"
** The following layers are discarded due to unmatched keys or layer size: ['classifier.weight', 'classifier.bias']
/Users/kaleighohara/anaconda3/envs/torchreid/lib/python3.7/site-packages/torch/nn/functional.py:718: UserWarning: Named tensors and all their associated APIs are an experimental feature and subject to change. Please do not use them for anything important until they are released as stable. (Triggered internally at /Users/distiller/project/conda/conda-bld/pytorch_1623459064158/work/c10/core/TensorImpl.h:1156.)
  return torch.max_pool2d(input, kernel_size, stride, padding, dilation, ceil_mode)
Model: osnet_ain_x1_0
- params: 2,193,616
- flops: 978,878,352
Successfully loaded pretrained weights from "weights/osnet_ain_x1_0_dukemtmcrid_256x128_amsgrad_ep90_lr0.0015_coslr_b64_fb10_softmax_labsmth_flip_jitter.pth"
** The following layers are discarded due to unmatched keys or layer size: ['classifier.weight', 'classifier.bias']
target_image_files []
features torch.Size([2, 512])
Traceback (most recent call last):
  File "compare_features.py", line 179, in <module>
    main()
  File "compare_features.py", line 113, in main
    tmg = image_files[]
TypeError: 'dict_keys' object is not subscriptable
```

```
(torchreid) Kaleighs-MacBook-Pro-2:deep-person-reid-master kaleighahor@s python compare_features.py --image_dir 'saved_features_torchreid_datasets/images_different_cropped.pkl'
/Users/kaleighahor/Desktop/Thesis/REPO/AnonymizePeople/deep-person-reid-master/torchreid/metrics/rank.py:12: UserWarning: Cython evaluation (very fast so highly recommended) is unavailable, now use python evaluation.
  'Cython evaluation (very fast so highly recommended) is '
Successfully loaded imagenet pretrained weights from "/Users/kaleighahor/.cache/torch/checkpoints/osnet_ain_x1_0_imagenet.pth"
** The following layers are discarded due to unmatched keys or layer size: ['classifier.weight', 'classifier.bias']
/Users/kaleighahor/anconda3/envs/torchreid/lib/python3.7/site-packages/torch/nn/functional.py:718: UserWarning: Named tensors and all their associated APIs are an experimental feature and subject to change. Please do not use them for anything important until they are released as stable. (Triggered internally at /Users/distiller/project/conda/conda-bld/pytorch.1623459064158/work/c10/core/TensorImpl.h:1156.)
  return torch.max_pool2d(input, kernel_size, stride, padding, dilation, ceil_mode)
Model: osnet_ain_x1_0
- params: 2,193,616
- Flops: 978,878,352
Successfully loaded pretrained weights from "weights/osnet_ain_x1_0_dukemtmcreid_256x128_msgrad_ep90_lr0.0015_coslr_b64_bf16_softmax_labsmth_flip_jitter.pth"
** The following layers are discarded due to unmatched keys or layer size: ['classifier.weight', 'classifier.bias']
image_files ['zurich.000076.000019_0', 'zurich.000106.000019_3']
target_image_files []
features torch.Size([2, 512])
zurich.000076.000019_0 zurich.000106.000019_3
Cosine Distance: 0.3883
Euclidean Distance: 191.8076

Image pairs with lowest cosine distance
[[('zurich.000076.000019_0', 'zurich.000106.000019_3'), 0.3883]]
Image pairs with highest cosine distance
[[('zurich.000076.000019_0', 'zurich.000106.000019_3'), 0.3883]]

Image pairs with lowest euclidean distance
[[('zurich.000076.000019_0', 'zurich.000106.000019_3'), 191.8076]]
Image pairs with highest euclidean distance
[[('zurich.000076.000019_0', 'zurich.000106.000019_3'), 191.8076]]

(torchreid) Kaleighs-MacBook-Pro-2:deep-person-reid-master kaleighahor@s python compare_features.py --image_dir 'saved_features_torchreid_datasets/1200_w40_solid_cropped_train.pkl' --image_dir_targets 'datasets/images_train_fake/cropped_fake.1'
/Users/kaleighahor/Desktop/Thesis/REPO/AnonymizePeople/deep-person-reid-master/torchreid/metrics/rank.py:12: UserWarning: Cython evaluation (very fast so highly recommended) is unavailable, now use python evaluation.
  'Cython evaluation (very fast so highly recommended) is '
Successfully loaded imagenet pretrained weights from "/Users/kaleighahor/.cache/torch/checkpoints/osnet_ain_x1_0_imagenet.pth"
** The following layers are discarded due to unmatched keys or layer size: ['classifier.weight', 'classifier.bias']
/Users/kaleighahor/anconda3/envs/torchreid/lib/python3.7/site-packages/torch/nn/functional.py:718: UserWarning: Named tensors and all their associated APIs are an experimental feature and subject to change. Please do not use them for anything important until they are released as stable. (Triggered internally at /Users/distiller/project/conda/conda-bld/pytorch.1623459064158/work/c10/core/TensorImpl.h:1156.)
  return torch.max_pool2d(input, kernel_size, stride, padding, dilation, ceil_mode)
Model: osnet_ain_x1_0
- params: 2,193,616
- Flops: 978,878,352
Successfully loaded pretrained weights from "weights/osnet_ain_x1_0_dukemtmcreid_256x128_msgrad_ep90_lr0.0015_coslr_b64_bf16_softmax_labsmth_flip_jitter.pth"
** The following layers are discarded due to unmatched keys or layer size: ['classifier.weight', 'classifier.bias']
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'hamburg_000000_053776.3', 'strasbourg_000000_029020.17', 'strasbourg_000000_010049.17', 'hamburg_000000_081299.8', 'krefeld_000000_019791.0', 'hamburg_000000_085321.7', 'frankfurt_000001_007622.6', 'strasbourg_000000_016311.16', 'strasbourg_000000_026611.12', 'strasbourg_000000_033062.11', 'stuttgart_000106_000019.7', 'monchengladbach_000000_035650.6', 'strasbourg_000000_032346.5', 'stuttgart_000001_000019.7', 'cologne_000134_000019.2', 'munster_000039_000019.3', 'strasbourg_000000_034097.8', 'cologne_000035_000019.1', 'frankfurt_000001_004327.0', 'stuttgart_000101_000019.36', 'jena_000000_000019.1', 'tubingen_000029_000019.1', 'frankfurt_000001_007857.0', 'strasbourg_000001_050098.13', 'frankfurt_000001_007973.4', 'bremen_000004_000019.4', 'hamburg_000000_037358.22', 'erfurt_000001_000019.0', 'strasbourg_000000_033838.11', 'hanover_000000_040221.14', 'bremen_000100_000019.5', 'dusseldorf_000100_000019.5', 'strasbourg_000001_006386.0', 'bremen_0000256_000019.4', 'hanover_000000_027766.17', 'frankfurt_000001_002819.0', 'strasbourg_000000_02675.13', 'bremen_0000261_000019.1', 'zurich_000074_000019.1', 'tubingen_000063_000019.0', 'damstadt_000007_000019.11', 'hanover_000000_034347.4', 'tubingen_000013_000019.0', 'krefeld_000000_023608.0', 'frankfurt_000001_000019.0', 'munster_000060_000019.14', 'bremen_000257_000019.3', 'hamburg_000000_071675.7', 'frankfurt_000001_028335.0', 'weimar_000028_000019.5', 'hamburg_000000_048138.2', 'zurich_000003_000019.5', 'strasbourg_000001_052497.2', 'hamburg_000000_096624.5', 'strasbourg_000001_052840.2', 'tubingen_000023_000019.1', 'hamburg_000000_053563.3', 'strasbourg_000001_051934.18', 'tubingen_000007_000019.2', 'frankfurt_000001_078803.2', 'hamburg_000000_031971.1', 'frankfurt_000001_054077.4', 'munster_000051_000019.6', 'strasbourg_000000_028628.12', 'krefeld_000000_050574.0', 'frankfurt_000000_022554.0', 'dusseldorf_000105_000019.0', 'strasbourg_000000_017450.4', 'hanover_000000_034822.14', 'krefeld_000000_090574.1', 'hanover_000000_029455.2', 'munster_000062_000019.22', 'tubingen_000007_000019.3', 'hanover_000000_053437.6', 'munster_000033_000019.2', 'strasbourg_000000_033129.8', 'tubingen_000023_000019.0', 'strasbourg_000001_034923.11', 'strasbourg_000000_052497.3', 'strasbourg_000000_025491.3', 'jena_000083_000019.3', 'munster_000143_000019.13', 'frankfurt_000001_028335.1', 'strasbourg_000001_061472.5', 'hanover_000000_056601.2', 'zurich_000067_000019.6', 'erfurt_000023_000019.0', 'strasbourg_000000_014584.2', 'strasbourg_000000_030941.9', 'hanover_000000_013814.10', 'ulm_000087_000019.0', 'strasbourg_000000_016247.20', 'munster_000057_000019.0', 'strasbourg_000000_026751.12', 'bremen_000256_000019.5', 'weimar_000128_000019.0', 'strasbourg_000001_051877.40', 'hanover_000000_027766.16', 'aachen_000048_000019.15', 'strasbourg_000000_030706.13', 'strasbourg_000001_003933.0', 'tubingen_000054_000019.6', 'hanover_000000_041232.1', 'strasbourg_000000_004248.6', 'jena_000082_000019.6', 'frankfurt_000001_011662.3', 'erfurt_000005_000019.4', 'hanover_000000_034347.7', 'damstadt_000008_000019.7', 'strasbourg_000000_025907.0', 'frankfurt_000001_016029.3', 'strasbourg_000000_05685.7.5', 'munster_000005_000019.2', 'hamburg_000000_057487.8', 'tubingen_000001_000019.3', 'hamburg_000000_049890.2', 'stuttgart_000107_000019.7', 'bremen_000178_000019.1', 'hamburg_000000_073389.6', 'hamburg_000000_048138.1', 'bremen_000187_000019.1', 'frankfurt_000001_023335.3', 'munster_000042_000019.3', 'strasbourg_000001_052497.1', 'hamburg_000000_096624.6', 'strasbourg_000000_029339.15', 'damstadt_000008_000019.6', 'munster_000099_000019.0', 'strasbourg_000000_029389.11', 'frankfurt_000001_017459.6', 'munster_000062_000019.20', 'zurich_000045_000019.0', 'strasbourg_000001_051934.27', 'frankfurt_000001_057478.37', 'hanover_000000_044344.1', 'munster_000100_000019.3', 'krefeld_000000_010329.0', 'krefeld_000000_090574.3', 'strasbourg_000000_028628.11', 'strasbourg_000001_005666.3', 'bremen_000201_000019.8', 'cologne_000008_000019.7', 'strasbourg_000001_052198.34', 'cologne_000148_000019.3', 'hamburg_000000_062371.17', 'munster_000010_000019.2', 'bremen_000201_000019.9', 'strasbourg_000001_005666.2', 'strasbourg_000000_028628.10', 'krefeld_000000_090574.2', 'krefeld_000000_010329.1', 'frankfurt_000000_02321.5', 'zurich_000045_000019.1', 'hamburg_000000_0406872.63', 'frankfurt_000001_017459.7', 'cologne_000050_000019.3', 'frankfurt_000001_066092.0', 'munster_000033_000019.1', 'frankfurt_000000_014161.1', 'munster_000116_000019.1', 'frankfurt_000001_061763.0', 'weimar_000038_000019.9', 'ulm_000092_000019.2', 'strasbourg_000001_034923.12', 'weimar_000028_000019.7', 'frankfurt_000001_028335.2', 'aachen_000071_000019.16', 'monchengladbach_000000_035083.4', 'zurich_000107_000019.1', 'frankfurt_000001_012038.4', 'strasbourg_000001_056857.4', 'hanover_000000_090420.7', 'strasbourg_000000_025907.1', 'krefeld_000000_023698.2', 'munster_000026_000019.0', 'weimar_000087_000019.8', 'tubingen_000036_000019.2', 'strasbourg_000000_026755.11', 'erfurt_000071_000019.3', 'bremen_000220_000019.5', 'jena_000082_000019.7', 'hamburg_000000_028608.2', 'dusseldorf_000104_000019.0', 'hanover_000000_027766.15', 'frankfurt_000001_000538.3', 'munster_000147_000019.15', 'hamburg_000000_054555.5', 'frankfurt_000001_057954.9', 'strasbourg_000000_030706.14', 'tubingen_000077_000019.0', 'dusseldorf_000103_000019.1', 'tubingen_000002_000019.0', 'bremen_000044_000019.16', 'hamburg_000000_028202.2', 'strasbourg_000000_026755.15', 'frankfurt_000001_016029.2', 'dusseldorf_000001_000019.4', 'erfurt_000000_048379.10', 'cologne_000139.0', 'frankfurt_000001_051934.1', 'weimar_000006_000019.0', 'zurich_000102_000019.0', 'hamburg_000000_061468.2', 'tubingen_000015_000019.1', 'bremen_000257_000019.1', 'strasbourg_000001_061472.2', 'strasbourg_000000_011888.0', 'lindau_000047_000019.0', 'strasbourg_000000_052497.4', 'hamburg_000000_033506.9', 'frankfurt_000001_010156.4', 'tubingen_000007_000019.4', 'strasbourg_000001_051934.22', 'hanover_000000_053437.1', 'bochum_000000_002562.1', 'hanover_000000_030546.5', 'damstadt_000008_000019.3', 'strasbourg_000000_017450.3', 'hamburg_000000_105724.19', 'frankfurt_000001_031416.6', 'hanover_000000_042382.10', 'hanover_000000_023239.7', 'krefeld_000000_01912.5.1', 'strasbourg_000000_029729.22', 'hanover_000000_023239.6', 'hamburg_000000_105724.18', 'jena_000019_000019.0', 'damstadt_000008_000019.2', 'tubingen_000007_000019.5', 'strasbourg_000001_052497.5', 'monchengladbach_000000_0105685.1', 'tubingen_000062_000019.0', 'aachen_000097_000019.6', 'hanover_000000_013814.5', 'strasbourg_000000_030017.6', 'weimar_000129_000019.1', 'frankfurt_000001_015768.0', 'zurich_000102_000019.13', 'hamburg_000000_048138.5', 'erfurt_000076_000019.6', 'strasbourg_000001_039446.9', 'strasbourg_000000_033838.5', 'hamburg_000000_030953.1', 'hamburg_000000_054029.35', 'frankfurt_000001_051737.16', 'frankfurt_000001_012699.11', 'hamburg_000000_0102379.13', 'strasbourg_000000_026755.14', 'hanover_000000_028202.3', 'erfurt_000017_000019.6', 'zurich_000035_000019.0', 'strasbourg_000001_009097.1', 'munster_000142_000019.3', 'dusseldorf_000103_000019.0', 'bremen_000205.6_000019.3', 'strasbourg_000000_001449.0', 'munster_000147_000019.16', 'cologne_000138_000019.0', 'hamburg_000000_044251.10', 'munster_000035_000019.1', 'strasbourg_000000_022067.1', 'lindau_000024_000019.1', 'bremen_000044_000019.15', 'weimar_000093_000019.9', 'strasbourg_000000_016247.18', 'frankfurt_000001_011162.19', 'hanover_000000_028202.1', 'munster_000043_000019.2', 'tubingen_000123_000019.0', 'strasbourg_000001_033062.1', 'frankfurt_000001_051737.14', 'tubingen_000025_000019.3', 'munster_000050_000019.4', 'hamburg_000000_044251.9', 'frankfurt_000001_012038.3', 'monchengladbach_000000_035083.3', 'weimar_000096_000019.6', 'munster_000143_000019.17', 'weimar_000082_000019.0', 'hamburg_000000_048138.7', 'munster_000102_000019.0', 'cologne_000129_000019.1', 'strasbourg_000001_051934.21', 'strasbourg_000001_057191.6', 'zurich_000001_055306.8', 'frankfurt_000001_031416.5', 'strasbourg_000000_007441.33', 'jena_000058_000019.4', 'frankfurt_000001_079206.0', 'dusseldorf_000015_000019.0', 'krefeld_000000_091125.2', 'hamburg_000000_045704.50', 'hanover_000000_023239.5', 'strasbourg_000001_005666.4', 'dusseldorf_000015_000019.1', 'hamburg_000000_062371.11', 'hamburg_000000_086636.8', 'strasbourg_000001_010162.1', 'strasbourg_000000_029339.12', 'strasbourg_000001_039446.1', 'munster_000042_000019.4', 'cologne_000129_000019.8', 'aachen_000097_000019.5', 'hamburg_000000_048138.6', 'weimar_000096_000019.7', 'monchengladbach_000000_035083.2', 'frankfurt_000001_012038.2', 'weimar_000019_000019.3', 'strasbourg_000000_033838.6', 'dusseldorf_000076_000019.3', 'munster_000133_000019.3', 'tubingen_000123_000019.1', 'hanover_000000_028202.0', 'erfurt_000005_000019.3', 'strasbourg_000000_016247.19', 'monchengladbach_000000_030662.0', 'munster_000060_000019.0', 'munster_000035_000019.0', 'erfurt_000046_000019.0', 'strasbourg_000000_001449.1', 'cologne_000138_000019.1', 'munster_000147_000019.17', 'hanover_000000_044085.6', 'target_image_files ['datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047.4.png']

features torch.Size([1200, 512])

target-features torch.Size([11, 512])

Image pairs with lowest cosine distance

[[('frankfurt_000001_034047.4', 'jena_000056_000019.0', 0.2658), ('frankfurt_000001_034047.4', 'munster_000062_000019.16', 0.2733), ('frankfurt_000001_034047.4', 'hamburg_000000_054029.35', 0.2765), ('frankfurt_000001_034047.4', 'frankfurt_000001_034047.4', 0.2803), ('frankfurt_000001_034047.4', 'hanover_000000_048379.5', 0.2875)]

Image pairs with highest cosine distance

[[('frankfurt_000001_034047.4', 'strasbourg_000001_057191.6', 0.5952), ('frankfurt_000001_034047.4', 'strasbourg_000001_060173.1', 0.5972), ('frankfurt_000001_034047.4', 'stuttgart_000106_000019.10', 0.6060), ('frankfurt_000001_034047.4', 'cologne_000105_000019.4', 0.6026), ('frankfurt_000001_034047.4', 'strasbourg_000000_029339.15', 0.6111)]

Image pairs with lowest euclidean distance

[[('frankfurt_000001_034047.4', 'jena_000056_000019.0', 123.7869), ('frankfurt_000001_034047.4', 'munster_000062_000019.16', 126.4008), ('frankfurt_000001_034047.4', 'hamburg_000000_054029.35', 133.3291), ('frankfurt_000001_034047.4', 'hamburg_000000_034047.4', 139.1776), ('frankfurt_000001_034047.4', 'krefeld_000000_018004.3', 141.4044)]

Image pairs with highest euclidean distance

[[('frankfurt_000001_034047.4', 'strasbourg_000000_028822.22', 289.1263), ('frankfurt_000001_034047.4', 'strasbourg_000000_033129.8', 290.2903), ('frankfurt_000001_034047.4', 'hanover_000000_040221.5', 290.7755), ('frankfurt_000001_034047.4', 'stuttgart_000101_000019.0', 292.415), ('frankfurt_000001_034047.4', 'hamburg_000000_013075.54', 296.2547)]

(torchreid) Kaleighs-MacBook-Pro-2:deep-person-reid-master kaleighahars python compare_features.py --image_dir 'saved_features_torchreid_datasets.1200_w40_solid_cropped_train.pkl' --image_dir_targets 'datasets/images_train_fake/cropped_fake_1'

/Users/kaleighahars/Desktop/Thesis/REPO/AnonymizePeople/deep-person-reid-master/torchreid/metrics/rank.py:12: UserWarning: Cython evaluation (very fast so highly recommended) is unavailable, now use python evaluation.

(Cython evaluation (very fast so highly recommended) is ')

Successfully loaded pretrained weights from /Users/kaleighahars/.cache/torch/checkpoints/osnet_ain_x1_0_imgenet.pth

** The following layers are discarded due to unmatched keys or layer size: ['classifier.weight', 'classifier.bias']

/Users/kaleighahars/anaconda3/envs/torchreid/lib/python3.7/site-packages/torch/nn/functional.py:718: UserWarning: Named tensors and all their associated APIs are an experimental feature and subject to change. Please do not use them for anything important which is released as stable. (Triggered internally at /Users/distiller/project/cvda/cvda-bld/pytorch_1623459064158/work/c10/csrc/TensorImpl.h:1156.)

return torch.max_pool2d(input, kernel_size, stride, padding, dilation, ceil_mode)

Model: osnet_ain_x1_0

- params: 2,193,616

- flops: 978,878,352

Successfully loaded pretrained weights from /weights/osnet_ain_x1_0_dukumentcreid.256x128_omsgrad_ep90_1r_0.0015_coolr_b64_f010_softmax_labsmth_flip_jitter.pth

** The following layers are discarded due to unmatched keys or layer size: ['classifier.weight', 'classifier.bias']

Image files ['Zurich_000000_000019.0', 'hanover_000000_033144.0', 'strasbourg_000000_040983.6', 'erfurt_000007_000019.0', 'strasbourg_000000_010140.2', 'frankfurt_000001_073088.1', 'stuttgart_000002_000019.1', 'jena_000092_000019.2', 'zurich_000045_000019.3', 'munster_000009_027007.5', 'krefeld_000000_007325.1', 'munster_000040_000019.6', 'strasbourg_000000_015602.12', 'cologne_000058_000019.2', 'tubingen_000120_000019.4', 'strasbourg_000000_042309.3', 'frankfurt_000001_055387.18', 'munster_000137_000019.6', 'monchengladbach_000000_000054.4', 'munster_000050_000019.8', 'strasbourg_000001_003159.6', 'krefeld_000000_003937.2', 'weimar_000092_000019.2', 'hanover_000000_026356.9', 'hamburg_000000_061790.21', 'frankfurt_000001_048654.2', 'monchengladbach_000000_034621.1', 'monchengladbach_000000_010505.1', 'strasbourg_000001_001072.2', 'cologne_000123_000019.1', 'hanover_000000_027481.13', 'ulm_000091_000019.1', 'munster_000062_000019.16', 'hanover_000000_039478.8', 'erfurt_000001_000019.1', 'strasbourg_000001_051934.11', 'erfurt_000032_000019.1', 'weimar_000081_000019.4', 'aachen_000048_000019.3', 'zurich_000070_000019.24', 'weimar_000095_000019.2', 'krefeld_000000_029933.2', 'strasbourg_000000_029729.10', 'erfurt_000050_000019.4', 'munster_000089_000019.4', 'erfurt_000011_000019.2', 'stuttgart_000104_000019.4', 'frankfurt_000000_012868.3', 'strasbourg_000000_029729.11', 'weimar_000095_000019.3', 'erfurt_000073_000019.6', 'hanover_000000_048765.1', 'ulm_000091_000019.0', 'hanover_000000_008200.13', 'hamburg_000000_07389.24', 'hanover_000000_027481.12', 'erfurt_000043_000019.3', 'hamburg_000000_047220.15', 'cologne_000069_000019.1', 'hanover_000000_078579.17', 'hamburg_000000_061790.20', 'frankfurt_000001_046272.11', 'zurich_000052_000

```
frankfurt_000001_034047_4
Cosine Distance: 0.2803
Euclidean Distance: 152.83
```

```
[[('frankfurt_000001_034047_4', 'jena_000056_000019_0'), 0.2658], [('frankfurt_000001_034047_4', 'munster_000062_000019_16'), 0.2733], [('frankfurt_000001_034047_4', 'hamburg_000000_054029_35'), 0.2765], [('frankfurt_000001_034047_4', 'frankfurt_000001_034047_4'), 0.2803], [('frankfurt_000001_034047_4', 'hanover_000000_048379_5'), 0.2875]]
```

```

[('frankfurt_000001_034047_4', 'strasbourg_000001_057191_6'), (0.5952), (('frankfurt_000001_034047_4', 'strasbourg_000001_060173_1'), (0.5972), (('frankfurt_000001_034047_4', 'stuttgart_000161_000019_10'), (0.6006), (('frankfurt_000001_034047_4', 'colonne_000105_000019_4'), (0.6026), (('frankfurt_000001_034047_4', 'strasbourg_000000_029339_15'), (0.6111))]

```

Image pairs with lowest euclidean distance

```
00001_034047_4', 'hamburg_000000_098400_24'), 139.1776), (('frankfurt_000001_034047_4', 'krefeld_000000_018004_3'), 141.4044)]
```

```
nkfurt_000001_034047_4', 'stuttgart_000101_000019_0'), 292.415), (('frankfurt_000001_034047_4', 'hamburg_000000_103075_54'), 296.2547)]
```

```
'Cython evaluation (very fast so highly recommended) is '
Successfully loaded imagenet pretrained weights from "/Users/kaleighohara/.cache/torch/checkpoints/osnet_a1_0_imagenet.pth"
```

```
** The following layers are discarded due to unmatched keys or layer size: ['classifier.weight', 'classifier.bias']
/Users/kaleighohana/anaconda3/envs/torchreid/lib/python3.7/site-packages/torch/nn/functional.py:718: UserWarning: Named tensors and all their associated APIs are an experimental feature and subject to change. Please do not u
```

```
se them for anything important until they are released as stable. (Triggered internally at /Users/distiller/project/conda/conda-bld/pytorch_1623459064158/work/c10/core/TensorImpl.h:1156.)
return torch.max_pool2d(input, kernel_size, stride, padding, dilation, ceil_mode)
```

```
Model: osnet_a1n_x1_0
- params: 2,193,616
```

```
- flops: 978,878,352
Successfully loaded pretrained weights from "weights/osnet_ain_x1_0_dukemtmcrid_256x128_amsgrad_ep90_lr0.0015_coslr_b64_fb10_softmax_labsmth_flip_jitter.pth"
```

** The following layers are discarded due to unmatched keys or layer size: ['classifier.weight', 'classifier.bias']

'9_000019_1', 'jena_000092_000019_2', 'jena_000049_000019_1', 'tubingen_000060_000019_1', 'hanover_000000_027007_5', 'krefeld_000000_007325_1', 'munster_000040_000019_6', 'strasbourg_000000_015602_12', 'cologne_000058_000019_2', 'tubingen_000120_000019_4', 'strasbourg_000001_042309_3', 'frankfurt_000001_055387_18', 'munster_000137_000019_6', 'monchengladbach_000001_000054_4', 'munster_000050_000019_8', 'strasbourg_000001_003159_6', 'krefeld_0000

[illegible]

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'krefeld_000000_009574.0', 'frankfurt_000000_022254.0', 'dusseldorf_000155_000019.0', 'strasbourg_000000_017450.4', 'hanover_000000_043822.14', 'krefeld_000000_009574.1', 'hanover_000000_029455.2', 'munster_000062_000019.22', 'tubingen_000007_000019.3', 'hanover_000000_053437.6', 'munster_000033_000019.2', 'strasbourg_000000_033129.8', 'tubingen_000000_030019.0', 'krefeld_000000_034923.11', 'strasbourg_000001_052497.3', 'strasbourg_000000_025491.3', 'jena_000083_000019.3', 'munster_000143_000019.13', 'frankfurt_000001_028335.1', 'strasbourg_000001_061472.5', 'hanover_000000_056601.2', 'zurich_000067_000019.6', 'erfurt_000023_000019.0', 'strasbourg_000000_014584.2', 'strasbourg_000000_030941.9', 'hanover_000000_013814.10', 'ulm_000087_000019.0', 'strasbourg_000000_016247.20', 'munster_000057_000019.0', 'strasbourg_000000_026755.12', 'bremen_000256_000019.5', 'weimar_000128_000019.0', 'strasbourg_000001_051877.40', 'hanover_000000_027766.16', 'aachen_000000_000019.15', 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'munster_000133_000019.3', 'tubingen_000123_000019.1', 'hanover_000000_028202.0', 'erfurt_000065_000019.3', 'strasbourg_000000_016247.19', 'monchengladbach_000000_030662.0', 'munster_000060_000019.0', 'munster_000035_000019.0', 'erfurt_000046_000019.0', 'strasbourg_000001_001449.1', 'cologne_000138_000019.1', 'munster_000147_000019.17', 'hanover_000000_044885.6']\ntarget_image_files ['datasets/images_train_fake/cropped_fake_1/frankfurt_000001_034047.4.png']\nreturn torch.max_pool2d(input, kernel_size, stride, padding, dilation, ceil_mode)\n\nmodel: osnet_ain_x1_0\n- params: 2,193,616\n- flops: 978,878,352\n\nSuccessfully loaded pretrained weights from \"weights/osnet_ain_x1_0_dukemcmcreid_256x128_amsgrad_ep90_lr0.0015_coslr_b64_fb10_softmax_labsmth_flip_jitter.pth\"\n** The following layers are discarded due to unmatched keys or layer size: ['classifier.weight', 'classifier.bias']\n\ntarget_image_files ['datasets/images_train_fake/cropped/bremen_000084_000019.2.png', 'datasets/images_train_fake/cropped/frankfurt_000001_034047.4.png', 'datasets/images_train_fake/cropped/weimar_000075_000019.5.png', 'datasets/images_train_fake/cropped/strasbourg_000000_013944.14.png', 'datasets/images_train_fake/cropped/aachen_000107_000019.17.png', 'datasets/images_train_fake/cropped/weimar_000089_000019.0.png']\nfeatures_torch.Size([1200, 512])\ntarget_features_torch.Size([6, 512])\n\nbremen_000084_000019.2 bremen_000084_000019.2\nCosine Distance: 0.2739\nEuclidean Distance: 121.3689\n\nTARGET: bremen_000084_000019.2\n\nImage pairs with lowest cosine distance\n[['bremen_000084_000019.2', 0.2739], ('bremen_000162_000019.2', 0.2957), ('stuttgart_000163_000019.4', 0.3088), ('hanover_000000_041232.1', 0.3104), ('aachen_000019_000019.27', 0.3138)]\n\nImage pairs with lowest euclidean distance\n[['bremen_000084_000019.2', 121.3689], ('bremen_000162_000019.2', 136.1723), ('stuttgart_000163_000019.4', 140.6515), ('aachen_000019_000019.27', 144.5563), ('hanover_000000_041232.1', 144.8279)]\n\nfrankfurt_000001_034047.4 frankfurt_000001_034047.4\nCosine Distance: 0.2803\nEuclidean Distance: 152.8321\n\nTARGET: frankfurt_000001_034047.4\n\nImage pairs with lowest cosine distance\n[['jena_000056_000019.0', 0.2658], ('munster_000062_000019.16', 0.2733), ('hamburg_000000_054029.35', 0.2765), ('frankfurt_000001_034047.4', 0.2803), ('hanover_000000_048379.5', 0.2875)]\n\nImage pairs with lowest euclidean distance\n[['jena_000056_000019.0', 123.7869], ('munster_000062_000019.16', 126.4009), ('hamburg_000000_054029.35', 133.3291), ('hamburg_000000_098400.24', 139.1776), ('krefeld_000000_018004.3', 141.4044)]\n\nweimar_000075_000019.5 weimar_000075_000019.5\nCosine Distance: 0.2535\nEuclidean Distance: 119.456\n\nTARGET: weimar_000075_000019.5\n\nImage pairs with lowest cosine distance\n[['weimar_000075_000019.5', 0.2535], ('strasbourg_000001_056857.4', 0.2934), ('krefeld_000000_023698.2', 0.2939), ('jena_000056_000019.0', 0.2961), ('zurich_000071_000019.41', 0.3009)]\n\nImage pairs with lowest euclidean distance\n[['weimar_000075_000019.5', 119.456], ('jena_000056_000019.0', 145.127), ('strasbourg_000001_056857.4', 153.4478), ('strasbourg_000000_030017.6', 154.438), ('bremen_000257_000019.3', 155.9936)]

strasbourg_000000_013944_14 strasbourg_000000_013944_14

Cosine Distance: 0.2205
Euclidean Distance: 100.3408

TARGET: strasbourg_000000_013944_14

Image pairs with lowest cosine distance

[('strasbourg_000000_013944_14', 0.2205), ('tubingen_000029_000019_1', 0.2956), ('tubingen_000120_000019_4', 0.2966), ('zurich_000045_000019_1', 0.303), ('weimar_000025_000019_1', 0.3077)]

Image pairs with lowest euclidean distance

[('strasbourg_000000_013944_14', 100.3408), ('zurich_000045_000019_1', 124.9397), ('weimar_000025_000019_1', 136.2975), ('strasbourg_000001_006386_0', 137.5308), ('hamburg_000000_046872_63', 138.9034)]

aachen_000107_000019_17 aachen_000107_000019_17

Cosine Distance: 0.2158
Euclidean Distance: 83.538

TARGET: aachen_000107_000019_17

Image pairs with lowest cosine distance

[('aachen_000107_000019_17', 0.2158), ('monchengladbach_000000_035083_3', 0.3259), ('munster_000039_000019_4', 0.3276), ('hanover_000000_036562_5', 0.3302), ('stuttgart_000102_000019_3', 0.3378)]

Image pairs with lowest euclidean distance

[('aachen_000107_000019_17', 83.538), ('stuttgart_000102_000019_3', 124.1809), ('monchengladbach_000000_035083_3', 124.5403), ('hanover_000000_036562_5', 131.4133), ('bochum_000000_003674_1', 131.8079)]

weimar_000089_000019_0 weimar_000089_000019_0

Cosine Distance: 0.1384
Euclidean Distance: 54.7486

TARGET: weimar_000089_000019_0

Image pairs with lowest cosine distance

[('weimar_000089_000019_0', 0.1384), ('jena_000000_000019_1', 0.2183), ('zurich_000013_000019_0', 0.2419), ('krefeld_000000_023698_2', 0.2532), ('krefeld_000000_010329_1', 0.261)]

Image pairs with lowest euclidean distance

[('weimar_000089_000019_0', 54.7486), ('jena_000000_000019_1', 85.5012), ('zurich_000013_000019_0', 92.8833), ('krefeld_000000_010329_1', 101.9539), ('erfurt_000091_000019_0', 107.965)]

(torchreid) Kaleighs-MacBook-Pro-2:deep-person-reid-master kaleighaharad\$

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(torchreid) Kaleighs-MacBook-Pro-2:deep-person-reid-master kaleighaharad\$

(torchreid) Kaleighs-MacBook-Pro-2:deep-person-reid-master kaleighaharad\$ python compare_features.py --image_dir 'saved_features_torchreid_datasets.1200_w40_solid_cropped_train.pkl'

/Users/kaleighahara/Desktop/Thesis/REPO/AnonymizePeople/deep-person-reid-master/torchreid/metrics/rank.py:12: UserWarning: Cython evaluation (very fast so highly recommended) is unavailable, now use python evaluation.

(Cython evaluation (very fast so highly recommended) is ')

Successfully loaded imagenet pretrained weights from "/Users/kaleighahara/.cache/torch/checkpoints/osnet_ain_x1_0_imagenet.pth"

** The following layers are discarded due to unmatched keys or layer size: ['classifier.weight', 'classifier.bias']

/Users/kaleighahara/anaconda3/envs/torchreid/lib/python3.7/site-packages/torch/nn/functional.py:718: UserWarning: Named tensors and all their associated APIs are an experimental feature and subject to change. Please do not use them for anything important until they are released as stable. (Triggered internally at /Users/distiller/project/conda/conda-bld/pytorch.1623459064158/work/c10/core/TensorImpl.h:1156.)

return torch.max_pool2d(input, kernel_size, stride, padding, dilation, ceil_mode)

Model: osnet_ain_x1_0

- params: 2,193,616

- flops: 978,878,352

Successfully loaded pretrained weights from "weights/osnet_ain_x1_0_dukemtmcrid_256x128_amsgrad_ep90_lr0.0015_coslrb64_fb10_softmax_labsmth_flip_jitter.pth"

** The following layers are discarded due to unmatched keys or layer size: ['classifier.weight', 'classifier.bias']

target_image_files []

features torch.Size([1200, 512])

target_features torch.Size([2, 512])

aachen_000017_000019_13 aachen_000017_000019_13

Cosine Distance: -0.0
Euclidean Distance: 0.0

TARGET: aachen_000017_000019_13

Image pairs with lowest cosine distance

[('aachen_000017_000019_13', -0.0), ('aachen_000071_000019_16', 0.2392), ('cologne_000123_000019_13', 0.2527), ('munster_000060_000019_0', 0.2688), ('aachen_000019_000019_27', 0.2852)]

Image pairs with lowest euclidean distance

[('aachen_000017_000019_13', 0.0), ('aachen_000071_000019_16', 96.0187), ('cologne_000123_000019_13', 115.4059), ('munster_000060_000019_0', 119.3956), ('munster_000062_000019_16', 122.0304)]

zurich_000025_000019_0 zurich_000025_000019_0

Cosine Distance: -0.0
Euclidean Distance: 0.0001

TARGET: zurich_000025_000019_0

Image pairs with lowest cosine distance

[('zurich_000025_000019_0', -0.0), ('frankfurt_000001_021825_5', 0.3006), ('hanover_000000_046398_2', 0.3109), ('hamburg_000000_028608_2', 0.3119), ('hanover_000000_013814_5', 0.3176)]

Image pairs with lowest euclidean distance

[('zurich_000025_000019_0', 0.0001), ('hamburg_000000_103367_14', 121.0359), ('strasbourg_000001_006386_0', 121.4025), ('munster_000137_000019_6', 124.9702), ('hanover_000000_046398_2', 127.9862)]

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(torchreid) Kaleighs-MacBook-Pro-2:deep-person-reid-master kaleighaharad\$

(torchreid) Kaleighs-MacBook-Pro-2:deep-person-reid-master kaleighaharad\$ python compare_features.py --image_dir 'saved_features_torchreid_datasets.1200_w40_solid_cropped_train.pkl'

/Users/kaleighahara/Desktop/Thesis/REPO/AnonymizePeople/deep-person-reid-master/torchreid/metrics/rank.py:12: UserWarning: Cython evaluation (very fast so highly recommended) is unavailable, now use python evaluation.

(Cython evaluation (very fast so highly recommended) is ')

Successfully loaded imagenet pretrained weights from "/Users/kaleighahara/.cache/torch/checkpoints/osnet_ain_x1_0_imagenet.pth"

** The following layers are discarded due to unmatched keys or layer size: ['classifier.weight', 'classifier.bias']

/Users/kaleighahara/anaconda3/envs/torchreid/lib/python3.7/site-packages/torch/nn/functional.py:718: UserWarning: Named tensors and all their associated APIs are an experimental feature and subject to change. Please do not use them for anything important until they are released as stable. (Triggered internally at /Users/distiller/project/conda/conda-bld/pytorch.1623459064158/work/c10/core/TensorImpl.h:1156.)

return torch.max_pool2d(input, kernel_size, stride, padding, dilation, ceil_mode)

Model: osnet_ain_x1_0

- params: 2,193,616

- flops: 978,878,352

Successfully loaded pretrained weights from "weights/osnet_ain_x1_0_dukemtmcrid_256x128_amsgrad_ep90_lr0.0015_coslrb64_fb10_softmax_labsmth_flip_jitter.pth"

** The following layers are discarded due to unmatched keys or layer size: ['classifier.weight', 'classifier.bias']

target_image_files []

features torch.Size([1200, 512])

target_features torch.Size([2, 512])

aachen_000017_000019_13 aachen_000017_000019_13

Cosine Distance: -0.0
Euclidean Distance: 0.0

TARGET: aachen_000017_000019_13

Image pairs with lowest cosine distance

[('aachen_000017_000019_13', -0.0), ('aachen_000071_000019_16', 0.2392), ('cologne_000123_000019_13', 0.2527), ('munster_000060_000019_0', 0.2688), ('aachen_000019_000019_27', 0.2852), ('bremen_000100_000019_24', 0.2917)]

Image pairs with highest cosine distance

[('strasbourg_000000_032346_4', 0.592), ('bremen_000100_000019_9', 0.5932), ('krefeld_000000_017042_1', 0.5955), ('weimar_000042_000019_2', 0.611), ('strasbourg_000000_029339_15', 0.6194)]

Image pairs with lowest euclidean distance

[('aachen_000017_000019_13', 0.0), ('aachen_000071_000019_16', 96.0187), ('cologne_000123_000019_13', 115.4059), ('munster_000060_000019_0', 119.3956), ('munster_000062_000019_16', 122.0304), ('aachen_000019_000019_27', 122.8808)]

Image pairs with highest euclidean distance

[('jena_000033_000019_3', 270.4226), ('strasbourg_000000_034097_8', 271.0597), ('darmstadt_000006_000019_1', 276.0918), ('hamburg_000000_066988_0', 280.1488), ('strasbourg_000000_033062_12', 289.1274)]

zurich_000025_000019_0 zurich_000025_000019_0

Cosine Distance: -0.0
Euclidean Distance: 0.0001

TARGET: zurich_000025_000019_0

Image pairs with lowest cosine distance

[('zurich_000025_000019_0', -0.0), ('frankfurt_000001_021825_5', 0.3006), ('hanover_000000_046398_2', 0.3109), ('hamburg_000000_028608_2', 0.3119), ('hanover_000000_013814_5', 0.3176), ('strasbourg_000001_006386_0', 0.3188)]

Image pairs with highest cosine distance
[('aachen_000116_000019_2', 0.5909), ('cologne_000058_000019_3', 0.5984), ('ulm_000091_000019_0', 0.5988), ('frankfurt_000001_007973_4', 0.6018), ('aachen_000094_000019_2', 0.6043)]

Image pairs with lowest euclidean distance
[('zurich_000025_000019_0', 0.0001), ('hamburg_000000_103367_14', 121.0359), ('strasbourg_000001_006386_0', 121.4025), ('munster_000137_000019_6', 124.9702), ('hanover_000000_046398_2', 127.9862), ('krefeld_000000_017342_3', 128.6908)]

Image pairs with highest euclidean distance
[('hamburg_000000_045704_50', 269.3821), ('stuttgart_000162_000019_1', 270.1121), ('tubingen_000082_000019_5', 274.537), ('hamburg_000000_066988_0', 275.0213), ('frankfurt_000001_078803_2', 280.8102)]

(torchreid) Kaleighs-MacBook-Pro-2:deep-person-reid-master kaleighahara\$ python compare_features.py --image_dir 'saved_features_torchreid_datasets.1200_w40_solid_cropped_train.pkl'
/Users/kaleighahara/Desktop/Thesis/REPO/AnonymizePeople/deep-person-reid-master/torchreid/metrics/rank.py:12: UserWarning: Cython evaluation (very fast so highly recommended) is unavailable, now use python evaluation.
 'Cython evaluation (very fast so highly recommended) is '
Successfully loaded imagenet pretrained weights from "/Users/kaleighahara/.cache/torch/checkpoints/osnet_ain_x1_0_imagenet.pth"
** The following layers are discarded due to unmatched keys or layer size: ['classifier.weight', 'classifier.bias']
/Users/kaleighahara/anaconda3/envs/torchreid/lib/python3.7/site-packages/torch/nn/functional.py:718: UserWarning: Named tensors and all their associated APIs are an experimental feature and subject to change. Please do not use them for anything important until they are released as stable. (Triggered internally at /Users/distiller/project/conda/conda-bld/pytorch_1623459064158/work/c10/core/TensorImpl.h:1156.)
 return torch.max_pool2d(input, kernel_size, stride, padding, dilation, ceil_mode)
Model: osnet_ain_x1_0
- params: 2,193,616
- flops: 978,878,352
Successfully loaded pretrained weights from "weights/osnet_ain_x1_0_dukemtmcreid_256x128_omsggrad_ep90_lr0.0015_coslr_b64_fb10_softmax_labsmth_flip_jitter.pth"
** The following layers are discarded due to unmatched keys or layer size: ['classifier.weight', 'classifier.bias']
target_image_files []
features torch.Size([1200, 512])
target_features torch.Size([1, 512])

strasbourg_000000_029339_15 strasbourg_000000_029339_15
Cosine Distance: -0.0
Euclidean Distance: 0.0

TARGET: strasbourg_000000_029339_15

Image pairs with lowest cosine distance
[('strasbourg_000000_029339_15', -0.0), ('zurich_000078_000019_5', 0.2528), ('zurich_000102_000019_1', 0.2989), ('stuttgart_000182_000019_26', 0.3013), ('frankfurt_000001_062016_5', 0.3016), ('hanover_000000_023276_5', 0.3309)]

Image pairs with highest cosine distance
[('erfurt_000075_000019_1', 0.6568), ('frankfurt_000001_063633_4', 0.6647), ('erfurt_000051_000019_1', 0.6651), ('dusseldorf_000176_000019_8', 0.6777), ('munster_000033_000019_1', 0.6947)]

Image pairs with lowest euclidean distance
[('strasbourg_000000_029339_15', 0.0), ('zurich_000078_000019_5', 99.2612), ('zurich_000102_000019_1', 113.5184), ('stuttgart_000182_000019_26', 115.28), ('hamburg_000000_063403_5', 119.7876), ('weimar_000002_000019_0', 121.8359)]

Image pairs with highest euclidean distance
[('munster_000033_000019_1', 303.3483), ('tubingen_000077_000019_0', 303.5979), ('stuttgart_000162_000019_1', 306.4034), ('darmstadt_000006_000019_1', 309.8705), ('strasbourg_000001_003159_2', 315.3148)]

(torchreid) Kaleighs-MacBook-Pro-2:deep-person-reid-master kaleighahara\$ python compare_features.py --image_dir 'saved_features_torchreid_datasets.1200_w40_solid_cropped_train.pkl'
/Users/kaleighahara/Desktop/Thesis/REPO/AnonymizePeople/deep-person-reid-master/torchreid/metrics/rank.py:12: UserWarning: Cython evaluation (very fast so highly recommended) is unavailable, now use python evaluation.
 'Cython evaluation (very fast so highly recommended) is '
Successfully loaded imagenet pretrained weights from "/Users/kaleighahara/.cache/torch/checkpoints/osnet_ain_x1_0_imagenet.pth"
** The following layers are discarded due to unmatched keys or layer size: ['classifier.weight', 'classifier.bias']
/Users/kaleighahara/anaconda3/envs/torchreid/lib/python3.7/site-packages/torch/nn/functional.py:718: UserWarning: Named tensors and all their associated APIs are an experimental feature and subject to change. Please do not use them for anything important until they are released as stable. (Triggered internally at /Users/distiller/project/conda/conda-bld/pytorch_1623459064158/work/c10/core/TensorImpl.h:1156.)
 return torch.max_pool2d(input, kernel_size, stride, padding, dilation, ceil_mode)
Model: osnet_ain_x1_0
- params: 2,193,616
- flops: 978,878,352
Successfully loaded pretrained weights from "weights/osnet_ain_x1_0_dukemtmcreid_256x128_omsggrad_ep90_lr0.0015_coslr_b64_fb10_softmax_labsmth_flip_jitter.pth"
** The following layers are discarded due to unmatched keys or layer size: ['classifier.weight', 'classifier.bias']
target_image_files []
features torch.Size([1200, 512])

Image pairs with lowest cosine distance
[('strasbourg_000000_018358_1', 0.1309), (('jena_000000_000019_0', 'jena_000000_000019_1', 0.1397), (('munster_000014_000019_6', 'strasbourg_000001_051317_40', 0.1506), (('hanover_000000_045188_4', 'zurich_000078_000019_4', 0.1547), ('krefeld_000000_017042_1', 'hanover_000000_034015_4', 0.1561), (('zurich_000063_000019_7', 'jena_000078_000019_1', 0.1626), ('strasbourg_000001_051317_40', 'munster_000147_000019_17', 0.1655), ('strasbourg_000000_017283_0', 'zurich_000078_000019_4', 0.1683), ('strasbourg_000001_002949_8', 'krefeld_000000_017342_3', 0.169), ('bremen_000140_000019_3', 'erfurt_000071_000019_6', 0.1711)]
Image pairs with highest cosine distance
[('hamburg_000000_103075_54', 'tubingen_000115_000019_1', 0.694), ('strasbourg_000000_029339_15', 'munster_000033_000019_1', 0.6947), ('dusseldorf_000176_000019_8', 'erfurt_000071_000019_6', 0.6972), ('hamburg_000000_024251_4', 'dusseldorf_000190_000019_1', 0.6985), ('hamburg_000000_048138_2', 'dusseldorf_000015_000019_0', 0.7011), ('hamburg_000000_066988_0', 'erfurt_000071_000019_6', 0.704), ('hamburg_000000_103075_54', 'dusseldorf_000041_000019_4', 0.7049), ('erfurt_000043_000019_3', 'weimar_000075_000019_4', 0.7074), ('hanover_000000_029404_1', 'stuttgart_000161_000019_0', 0.7113), ('aachen_000019_000019_9', 'dusseldorf_000015_000019_0', 0.7125)]

Image pairs with lowest euclidean distance
[('hanover_000000_045188_4', 'zurich_000078_000019_4', 59.3287), (('jena_000000_000019_0', 'jena_000000_000019_1', 62.3347), ('strasbourg_000000_018358_1', 'bremen_000261_000019_1', 63.1351), ('strasbourg_000000_017283_0', 'zurich_000078_000019_4', 64.8165), ('frankfurt_000000_020215_5', 'zurich_000078_000019_4', 68.6116), (('munster_000062_000019_16', 'aachen_000019_000019_14', 70.8858), ('frankfurt_000000_020215_5', 'cologne_000148_000019_3', 71.698), ('tubingen_000073_000019_1', 'hamburg_000000_071675_7', 72.3302), ('bremen_000099_000019_9', 'munster_000057_000019_1', 75.4764), ('strasbourg_000000_026611_12', 'monchengladbach_000000_035083_4', 76.1522)]

Image pairs with highest euclidean distance
[('bochum_000000_016758_5', 'stuttgart_000162_000019_1', 370.3342), (('jena_000033_000019_3', 'tubingen_000123_000019_1', 371.3749), ('stuttgart_000162_000019_1', 'stuttgart_000172_000019_2', 372.4115), ('hamburg_000000_105123_11', 'darmstadt_000006_000019_1', 373.8395), ('hamburg_000000_103075_54', 'dusseldorf_000041_000019_4', 374.6382), ('bremen_000037_000019_4', 'frankfurt_000001_078803_2', 376.5686), ('hamburg_000000_066988_0', 'strasbourg_000000_033062_12', 381.2924), (('jena_000033_000019_3', 'hamburg_000000_103075_54', 383.5079), ('dusseldorf_000176_000019_8', 'bochum_000000_016758_5', 385.5668), ('darmstadt_000006_000019_1', 'hamburg_000010_103075_54', 386.9322)]

(torchreid) Kaleighs-MacBook-Pro-2:deep-person-reid-master kaleighahara\$ python crop_images.py --image_dir 'datasets.1200_w40_solid/images/train_overfit_10' --bbox_dir 'datasets.1200_w40_solid/bbox/train'
CROP ERROR: aachen_000009_000019_0_fake_B
Traceback (most recent call last):
 File "crop_images.py", line 249, in main
 img_cropped = crop_person(img, bbox_centers[img_name], bbox_data[img_name]) # Crop image around person
KeyError: 'aachen_000009_000019_0_fake_B'

During handling of the above exception, another exception occurred:

Traceback (most recent call last):
 File "crop_images.py", line 276, in <module>
 main()
 File "crop_images.py", line 263, in main
 print('cropped', img_cropped.size())
UnboundLocalError: local variable 'img_cropped' referenced before assignment
(torchreid) Kaleighs-MacBook-Pro-2:deep-person-reid-master kaleighahara\$ python crop_images.py --image_dir 'datasets.1200_w40_solid/images/train_overfit_10' --bbox_dir 'datasets.1200_w40_solid/bbox/train'
CROP ERROR: aachen_000009_000019_0_fake_B
Traceback (most recent call last):
 File "crop_images.py", line 251, in main
 img_cropped = crop_person(img, bbox_centers[img_name], bbox_data[img_name]) # Crop image around person
KeyError: 'aachen_000009_000019_0_fake_B'

During handling of the above exception, another exception occurred:

Traceback (most recent call last):
 File "crop_images.py", line 278, in <module>
 main()
 File "crop_images.py", line 265, in main
 print('cropped', img_cropped.size())
UnboundLocalError: local variable 'img_cropped' referenced before assignment
(torchreid) Kaleighs-MacBook-Pro-2:deep-person-reid-master kaleighahara\$ python crop_images.py --image_dir 'datasets.1200_w40_solid/images/train_overfit_10' --bbox_dir 'datasets.1200_w40_solid/bbox/train'

image_files[0] datasets.1200_w40_solid/images/train_overfit_10/aachen_000009_000019_0_fake_B.png
CROP ERROR: aachen_000009_000019_0_fake_B
Traceback (most recent call last):
 File "crop_images.py", line 257, in main
 img_cropped = crop_person(img, bbox_centers[img_name], bbox_data[img_name]) # Crop image around person
KeyError: 'aachen_000009_000019_0_fake_B'

During handling of the above exception, another exception occurred:

Traceback (most recent call last):
 File "crop_images.py", line 284, in <module>
 main()
 File "crop_images.py", line 271, in main
 print('cropped', img_cropped.size())
UnboundLocalError: local variable 'img_cropped' referenced before assignment
(torchreid) Kaleighs-MacBook-Pro-2:deep-person-reid-master kaleighahara\$ python crop_images.py --image_dir 'datasets.1200_w40_solid/images/train_overfit_10' --bbox_dir 'datasets.1200_w40_solid/bbox/train'
Traceback (most recent call last):
 File "crop_images.py", line 279, in <module>
 main()

```

File "crop_images.py", line 193, in main
    img_size = Image.open(image_files[0]).size
File "/Users/kaleighohara/anaconda3/envs/torchreid/lib/python3.7/site-packages/PIL/Image.py", line 2968, in open
    fp = builtins.open(filename, "rb")
FileNotFoundError: [Errno 2] No such file or directory: 'datasets_1200_w40_solid/images/train_overfit_10/aachen_000009_000019_0.png'
(torchreid) Kaleighs-MacBook-Pro-2:deep-person-reid-master kaleighohara$ python crop_images.py --image_dir 'datasets_1200_w40_solid/images/train_overfit_10' --bbox_dir 'datasets_1200_w40_solid/bbox/train' --ignore_img_suffix
'_fake_B'
.D5_Store
Traceback (most recent call last):
  File "crop_images.py", line 298, in <module>
    main()
  File "crop_images.py", line 154, in main
    raise
RuntimeError: No active exception to reraise
(torchreid) Kaleighs-MacBook-Pro-2:deep-person-reid-master kaleighohara$ python crop_images.py --image_dir 'datasets_1200_w40_solid/images/train_overfit_10' --bbox_dir 'datasets_1200_w40_solid/bbox/train' --ignore_img_suffix
'_fake_B'
.D5_Store
aachen_000009_000019_0_fake_B.png
aachen_000017_000019_14_fake_B.png
aachen_000019_000019_26_fake_B.png
aachen_000017_000019_13_fake_B.png
aachen_000019_000019_14_fake_B.png
aachen_000017_000019_17_fake_B.png
cropped
aachen_000019_000019_27_fake_B.png
aachen_000017_000019_12_fake_B.png
aachen_000019_000019_9_fake_B.png
aachen_000005_000019_1_fake_B.png
Traceback (most recent call last):
  File "crop_images.py", line 298, in <module>
    main()
  File "crop_images.py", line 157, in main
    raise
RuntimeError: No active exception to reraise
(torchreid) Kaleighs-MacBook-Pro-2:deep-person-reid-master kaleighohara$ python crop_images.py --image_dir 'datasets_1200_w40_solid/images/train_overfit_10' --bbox_dir 'datasets_1200_w40_solid/bbox/train' --ignore_img_suffix
'_fake_B'
.D5_Store
aachen_000009_000019_0_fake_B.png
Traceback (most recent call last):
  File "crop_images.py", line 297, in <module>
    main()
  File "crop_images.py", line 155, in main
    os.rename(file, opts.image_dir + name)
FileNotFoundError: [Errno 2] No such file or directory: 'aachen_000009_000019_0_fake_B.png' -> 'datasets_1200_w40_solid/images/train_overfit_10/aachen_000009_000019_0.png'
(torchreid) Kaleighs-MacBook-Pro-2:deep-person-reid-master kaleighohara$ python crop_images.py --image_dir 'datasets_1200_w40_solid/images/train_overfit_10' --bbox_dir 'datasets_1200_w40_solid/bbox/train' --ignore_img_suffix
'_fake_B'
.D5_Store
Traceback (most recent call last):
  File "crop_images.py", line 297, in <module>
    main()
  File "crop_images.py", line 155, in main
    os.rename(file, opts.image_dir + '/' + name)
FileNotFoundError: [Errno 2] No such file or directory: '.D5_Store' -> 'datasets_1200_w40_solid/images/train_overfit_10/.D5_Store'
(torchreid) Kaleighs-MacBook-Pro-2:deep-person-reid-master kaleighohara$ python crop_images.py --image_dir 'datasets_1200_w40_solid/images/train_overfit_10' --bbox_dir 'datasets_1200_w40_solid/bbox/train' --ignore_img_suffix
'_fake_B'
aachen_000009_000019_0_fake_B.png
Traceback (most recent call last):
  File "crop_images.py", line 298, in <module>
    main()
  File "crop_images.py", line 156, in main
    os.rename(file, opts.image_dir + '/' + name)
FileNotFoundError: [Errno 2] No such file or directory: 'aachen_000009_000019_0_fake_B.png' -> 'datasets_1200_w40_solid/images/train_overfit_10/aachen_000009_000019_0.png'
(torchreid) Kaleighs-MacBook-Pro-2:deep-person-reid-master kaleighohara$ python crop_images.py --image_dir 'datasets_1200_w40_solid/images/train_overfit_10' --bbox_dir 'datasets_1200_w40_solid/bbox/train' --ignore_img_suffix
'_fake_B'
aachen_000009_000019_0_fake_B.png
Traceback (most recent call last):
  File "crop_images.py", line 298, in <module>
    main()
  File "crop_images.py", line 156, in main
    os.rename(file, opts.image_dir + '/' + file.replace('_fake_B', ''))
FileNotFoundError: [Errno 2] No such file or directory: 'aachen_000009_000019_0_fake_B.png' -> 'datasets_1200_w40_solid/images/train_overfit_10/aachen_000009_000019_0.png'
(torchreid) Kaleighs-MacBook-Pro-2:deep-person-reid-master kaleighohara$ python crop_images.py --image_dir 'datasets_1200_w40_solid/images/train_overfit_10' --bbox_dir 'datasets_1200_w40_solid/bbox/train' --ignore_img_suffix
'_fake_B'
aachen_000009_000019_0_fake_B.png
aachen_000017_000019_14_fake_B.png
aachen_000019_000019_26_fake_B.png
aachen_000017_000019_13_fake_B.png
aachen_000019_000019_14_fake_B.png
aachen_000017_000019_17_fake_B.png
aachen_000019_000019_27_fake_B.png
aachen_000017_000019_12_fake_B.png
aachen_000019_000019_9_fake_B.png
aachen_000005_000019_1_fake_B.png
Traceback (most recent call last):
  File "crop_images.py", line 298, in <module>
    main()
  File "crop_images.py", line 157, in main
    raise
RuntimeError: No active exception to reraise
(torchreid) Kaleighs-MacBook-Pro-2:deep-person-reid-master kaleighohara$ python crop_images.py --image_dir 'datasets_1200_w40_solid/images/train_overfit_10' --bbox_dir 'datasets_1200_w40_solid/bbox/train' --ignore_img_suffix
'_fake_B'
aachen_000017_000019_13.png
aachen_000019_000019_9.png
aachen_000017_000019_12.png
aachen_000017_000019_17.png
aachen_000009_000019_0.png
aachen_000017_000019_14.png
aachen_000019_000019_14.png
aachen_000005_000019_1.png
aachen_000019_000019_26.png
aachen_000019_000019_27.png
aachen_000017_000019_12_fake_B.png
Traceback (most recent call last):
  File "crop_images.py", line 298, in <module>
    main()
  File "crop_images.py", line 157, in main
    raise
RuntimeError: No active exception to reraise
(torchreid) Kaleighs-MacBook-Pro-2:deep-person-reid-master kaleighohara$ python crop_images.py --image_dir 'datasets_1200_w40_solid/images/train_overfit_10' --bbox_dir 'datasets_1200_w40_solid/bbox/train' --ignore_img_suffix
'_fake_B'
aachen_000017_000019_13.png
aachen_000019_000019_9.png
aachen_000017_000019_12.png
aachen_000017_000019_17.png
aachen_000009_000019_0.png
aachen_000017_000019_14.png
aachen_000019_000019_14.png
aachen_000005_000019_1.png
aachen_000019_000019_26.png
aachen_000019_000019_27.png
(torchreid) Kaleighs-MacBook-Pro-2:deep-person-reid-master kaleighohara$ python crop_images.py --image_dir 'datasets_1200_w40_solid/images/train_overfit' --bbox_dir 'datasets_1200_w40_solid/bbox/train' --ignore_img_suffix '_
fake_B'
(torchreid) Kaleighs-MacBook-Pro-2:deep-person-reid-master kaleighohara$ python compare_features.py --image_dir 'saved_features_torchreid_datasets_1200_w40_solid_cropped_train.pkl' --img_dir_targets 'datasets_1200_w40_solid/
images/train_overfit_10/cropped'
/Users/kaleighohara/Desktop/Thesis/REPO/AnonymizePeople/deep-person-reid/torchreid/metrics/rank.py:12: UserWarning: Cython evaluation (very fast so highly recommended) is unavailable, now use python evaluation.
  'Cython evaluation (very fast so highly recommended) is '
usage: compare_features.py [-h] --image_dir IMAGE_DIR
                        [--image_dir_targets IMAGE_DIR_TARGETS]
compare_features.py: error: unrecognized arguments: --img_dir_targets datasets_1200_w40_solid/images/train_overfit_10/cropped
(torchreid) Kaleighs-MacBook-Pro-2:deep-person-reid-master kaleighohara$ python compare_features.py --image_dir 'saved_features_torchreid_datasets_1200_w40_solid_cropped_train.pkl' --image_dir_targets 'datasets_1200_w40_soli
d/images/train_overfit_10/cropped'
/Users/kaleighohara/Desktop/Thesis/REPO/AnonymizePeople/deep-person-reid/torchreid/metrics/rank.py:12: UserWarning: Cython evaluation (very fast so highly recommended) is unavailable, now use python evaluation.
  'Cython evaluation (very fast so highly recommended) is '
Successfully loaded imagenet pretrained weights from "/Users/kaleighohara/.cache/torch/checkpoints/osnet_ain_x1_0_imagenet.pth"
** The following layers are discarded due to unmatched keys or layer size: ['classifier.weight', 'classifier.bias']
/Users/kaleighohara/anaconda3/envs/torchreid/lib/python3.7/site-packages/torch/nn/functional.py:718: UserWarning: Named tensors and all their associated APIs are an experimental feature and subject to change. Please do not u
se them for anything important until they are released as stable. (Triggered internally at /Users/distiller/project/conda/conda-bld/pytorch.1623459064158/work/c10/core/TensorImpl.h:1156.)
  return torch.max_pool2d(input, kernel_size, stride, padding, dilation, ceil_mode)
Model: osnet_ain_x1_0
- params: 2,193,616
- flops: 978,878,352

```

Successfully loaded pretrained weights from "weights/osnet_a1_0_dukemtmcrid_256x128_amsgrad_ep90_1r0.0015_coslr_b64_fb10_softmax_labsmth_flip_jitter.pth"

** The following layers are discarded due to unmatched keys or layer size: ['classifier.weight', 'classifier.bias']

target_image_files ['datasets_1200_w40_solid/images/train_overfit_10/cropped/aachen_000017_000019_13.png', 'datasets_1200_w40_solid/images/train_overfit_10/cropped/aachen_000019_000019_9.png', 'datasets_1200_w40_solid/images/train_overfit_10/cropped/aachen_000017_000019_12.png', 'datasets_1200_w40_solid/images/train_overfit_10/cropped/aachen_000017_000019_14.png', 'datasets_1200_w40_solid/images/train_overfit_10/cropped/aachen_000019_000019_14.png', 'datasets_1200_w40_solid/images/train_overfit_10/cropped/aachen_000005_000019_1.png', 'datasets_1200_w40_solid/images/train_overfit_10/cropped/aachen_000019_000019_26.png', 'datasets_1200_w40_solid/images/train_overfit_10/cropped/aachen_000019_000019_27.png']

features torch.Size([1200, 512])

target_features torch.Size([10, 512])

aachen_000017_000019_13 aachen_000017_000019_13
Cosine Distance: 0.2918

TARGET: aachen_000017_000019_13

Image pairs with lowest cosine distance
[('bremen_000100_000019_24', 0.2796), ('aachen_000017_000019_13', 0.2918), ('strasbourg_000001_035562_6', 0.2939), ('munster_000005_000019_2', 0.2946), ('weimar_000055_000019_1', 0.3127), ('cologne_000123_000019_13', 0.3174)]

Image pairs with highest cosine distance
[('tubingen_000080_000019_15', 0.6114), ('frankfurt_000001_004327_0', 0.6117), ('krefeld_000000_008584_2', 0.6168), ('ulm_000014_000019_6', 0.6196), ('strasbourg_000000_029339_15', 0.6391)]

aachen_000019_000019_9 aachen_000019_000019_9
Cosine Distance: 0.3982

TARGET: aachen_000019_000019_9

Image pairs with lowest cosine distance
[('stuttgart_000031_000019_4', 0.2835), ('munster_000049_000019_8', 0.3143), ('zurich_000001_000019_0', 0.3158), ('cologne_000046_000019_13', 0.3198), ('frankfurt_000001_017459_18', 0.3241), ('tubingen_000082_000019_5', 0.3267)]

Image pairs with highest cosine distance
[('strasbourg_000000_029339_15', 0.5784), ('jena_000089_000019_8', 0.5786), ('erfurt_000050_000019_4', 0.5831), ('cologne_000105_000019_4', 0.5851), ('dusseldorf_000015_000019_0', 0.5983)]

aachen_000017_000019_12 aachen_000017_000019_12
Cosine Distance: 0.3734

TARGET: aachen_000017_000019_12

Image pairs with lowest cosine distance
[('darmstadt_000068_000019_6', 0.3427), ('hamburg_000000_031971_1', 0.3469), ('munster_000139_000019_13', 0.362), ('hamburg_000000_073758_10', 0.3657), ('cologne_000058_000019_2', 0.3677), ('weimar_000111_000019_0', 0.3686)]

Image pairs with highest cosine distance
[('jena_000117_000019_0', 0.6308), ('monchengladbach_000000_018575_5', 0.6317), ('frankfurt_000001_064798_0', 0.6338), ('strasbourg_000001_051317_40', 0.6428), ('strasbourg_000000_035713_1', 0.6683)]

aachen_000017_000019_17 aachen_000017_000019_17
Cosine Distance: 0.4326

TARGET: aachen_000017_000019_17

Image pairs with lowest cosine distance
[('hamburg_000000_044400_2', 0.2822), ('weimar_000055_000019_0', 0.2854), ('weimar_000098_000019_7', 0.2953), ('strasbourg_000001_051934_27', 0.3087), ('monchengladbach_000000_035083_2', 0.3098), ('strasbourg_000000_017283_1', 0.3165)]

Image pairs with highest cosine distance
[('strasbourg_000001_061472_2', 0.6159), ('frankfurt_000001_011162_23', 0.6181), ('strasbourg_000000_029339_15', 0.6358), ('hanover_000000_005732_11', 0.6392), ('weimar_000075_000019_4', 0.6416)]

aachen_000009_000019_0 aachen_000009_000019_0
Cosine Distance: 0.3444

TARGET: aachen_000009_000019_0

Image pairs with lowest cosine distance
[('strasbourg_000000_029729_22', 0.2887), ('hanover_000000_026356_9', 0.3231), ('hamburg_000000_073672_13', 0.3241), ('weimar_000098_000019_6', 0.3246), ('aachen_000033_000019_4', 0.3279), ('hanover_000000_036562_1', 0.3282)]

Image pairs with highest cosine distance
[('zurich_000003_000019_20', 0.6237), ('hanover_000000_042382_9', 0.6276), ('weimar_000099_000019_17', 0.6293), ('hamburg_000000_070334_5', 0.6307), ('hamburg_000000_103075_54', 0.6595)]

aachen_000017_000019_14 aachen_000017_000019_14
Cosine Distance: 0.4463

TARGET: aachen_000017_000019_14

Image pairs with lowest cosine distance
[('stuttgart_000077_000019_1', 0.2113), ('munster_000137_000019_4', 0.2467), ('tubingen_000069_000019_5', 0.2487), ('hamburg_000000_096624_5', 0.2619), ('dusseldorf_000010_000019_1', 0.2749), ('weimar_000111_000019_1', 0.2829)]

Image pairs with highest cosine distance
[('tubingen_000062_000019_0', 0.6041), ('bremen_000220_000019_5', 0.6101), ('jena_000089_000019_8', 0.6118), ('strasbourg_000001_006386_0', 0.6155), ('erfurt_000076_000019_7', 0.6182)]

aachen_000019_000019_14 aachen_000019_000019_14
Cosine Distance: 0.1259

TARGET: aachen_000019_000019_14

Image pairs with lowest cosine distance
[('aachen_000019_000019_14', 0.1259), ('munster_000062_000019_16', 0.1911), ('bremen_000201_000019_8', 0.2334), ('jena_000056_000019_0', 0.2359), ('jena_000000_000019_1', 0.2901), ('jena_000092_000019_4', 0.2928)]

Image pairs with highest cosine distance
[('erfurt_000050_000019_4', 0.5975), ('strasbourg_000000_029339_15', 0.599), ('hamburg_000000_047220_15', 0.6004), ('krefeld_000000_026580_0', 0.612), ('hanover_000000_029404_1', 0.6217)]

aachen_000005_000019_1 aachen_000005_000019_1
Cosine Distance: 0.3847

TARGET: aachen_000005_000019_1

Image pairs with lowest cosine distance
[('frankfurt_000001_079206_0', 0.3066), ('frankfurt_000001_048355_0', 0.3224), ('strasbourg_000001_002081_9', 0.3226), ('strasbourg_000001_014033_6', 0.3233), ('strasbourg_000001_003489_0', 0.3241), ('hanover_000000_023614_3', 0.3312)]

Image pairs with highest cosine distance
[('hanover_000000_040051_11', 0.6026), ('ulm_000028_000019_1', 0.6031), ('strasbourg_000000_026611_12', 0.6091), ('strasbourg_000001_051934_21', 0.6129), ('monchengladbach_000000_018575_5', 0.6287)]

aachen_000019_000019_26 aachen_000019_000019_26
Cosine Distance: 0.2717

TARGET: aachen_000019_000019_26

Image pairs with lowest cosine distance
[('aachen_000019_000019_26', 0.2717), ('bochum_000000_003674_1', 0.2852), ('jena_000082_000019_12', 0.3015), ('hamburg_000000_045704_39', 0.3046), ('aachen_000048_000019_3', 0.312), ('strasbourg_000001_005289_0', 0.314)]

Image pairs with highest cosine distance
[('krefeld_000000_026580_0', 0.6319), ('hanover_000000_028202_1', 0.6351), ('zurich_000102_000019_0', 0.6369), ('frankfurt_000001_007973_4', 0.638), ('strasbourg_000001_052050_15', 0.642)]

aachen_000019_000019_27 aachen_000019_000019_27
Cosine Distance: 0.2102

TARGET: aachen_000019_000019_27

Image pairs with lowest cosine distance
[('aachen_000019_000019_27', 0.2102), ('strasbourg_000001_032660_0', 0.2273), ('aachen_000020_000019_7', 0.2646), ('munster_000060_000019_0', 0.2783), ('stuttgart_000076_000019_1', 0.2791), ('erfurt_000023_000019_0', 0.2859)]

]

Image pairs with highest cosine distance
[('hamburg_000000_074425_4', 0.6005), ('tubingen_000080_000019_15', 0.6037), ('stuttgart_000187_000019_7', 0.6131), ('dusseldorf_000015_000019_0', 0.6339), ('frankfurt_000001_007973_4', 0.6411)]

(torchreid) Kaleighs-MacBook-Pro-2:deep-person-reid-master kaleighahara\$ python compare_features.py --image_dir 'saved_features_torchreid_datasets.1200_w40_solid_cropped_train.pkl' --image_dir_targets 'datasets.1200_w40_solid/images/train_overfit_10/cropped'
/Users/kaleighahara/Desktop/Thesis/REPO/AnonymizePeople/deep-person-reid/torchreid/metrics/rank.py:12: UserWarning: Cython evaluation (very fast so highly recommended) is unavailable, now use python evaluation.
(Cython evaluation (very fast so highly recommended) is '
Successfully loaded imagenet pretrained weights from "/Users/kaleighahara/.cache/torch/checkpoints/osnet_ain_x1_0_imagenet.pth"
** The following layers are discarded due to unmatched keys or layer size: ['classifier.weight', 'classifier.bias']
/Users/kaleighahara/anaconda3/envs/torchreid/lib/python3.7/site-packages/torch/nn/functional.py:718: UserWarning: Named tensors and all their associated APIs are an experimental feature and subject to change. Please do not use them for anything important until they are released as stable. (Triggered internally at /Users/distiller/project/conda/conda-bld/pytorch.1623459064158/work/c10/core/TensorImpl.h:1156.)
return torch.max_pool2d(input, kernel_size, stride, padding, dilation, ceil_mode)
Model: osnet_ain_x1_0
- params: 2,193,616
- flops: 978,878,352
Successfully loaded pretrained weights from "weights/osnet_ain_x1_0_dukemtmcrcid_256x128_omsgrad_ep90_lr0.0015_coslr_b64_fb10_softmax_labsmth_flip_jitter.pth"
** The following layers are discarded due to unmatched keys or layer size: ['classifier.weight', 'classifier.bias']
target_image_files ['datasets.1200_w40_solid/images/train_overfit_10/cropped/aachen_000017_000019_13.png', 'datasets.1200_w40_solid/images/train_overfit_10/cropped/aachen_000019_000019_9.png', 'datasets.1200_w40_solid/images/train_overfit_10/cropped/aachen_000017_000019_12.png', 'datasets.1200_w40_solid/images/train_overfit_10/cropped/aachen_000017_000019_17.png', 'datasets.1200_w40_solid/images/train_overfit_10/cropped/aachen_000009_000019_0.png', 'datasets.1200_w40_solid/images/train_overfit_10/cropped/aachen_000017_000019_14.png', 'datasets.1200_w40_solid/images/train_overfit_10/cropped/aachen_000019_000019_14.png', 'datasets.1200_w40_solid/images/train_overfit_10/cropped/aachen_000005_000019_1.png', 'datasets.1200_w40_solid/images/train_overfit_10/cropped/aachen_000019_000019_26.png', 'datasets.1200_w40_solid/images/train_overfit_10/cropped/aachen_000019_000019_27.png']
features torch.Size([1200, 512])
target_features torch.Size([10, 512])

aachen_000017_000019_13 aachen_000017_000019_13
Cosine Distance: 0.2918

TARGET: aachen_000017_000019_13

Image pairs with lowest cosine distance
[('bremen_000100_000019_24', 0.2796), ('aachen_000017_000019_13', 0.2918), ('strasbourg_000001_035562_6', 0.2939), ('munster_000005_000019_2', 0.2946), ('weimar_000055_000019_1', 0.3127), ('cologne_000123_000019_13', 0.3174)]

Image pairs with highest cosine distance
[('tubingen_000080_000019_15', 0.6114), ('frankfurt_000001_004327_0', 0.6117), ('krefeld_000000_008584_2', 0.6168), ('ulm_000014_000019_6', 0.6196), ('strasbourg_000000_029339_15', 0.6391)]

aachen_000019_000019_9 aachen_000019_000019_9
Cosine Distance: 0.3982

TARGET: aachen_000019_000019_9

Image pairs with lowest cosine distance
[('stuttgart_000031_000019_4', 0.2835), ('munster_000049_000019_8', 0.3143), ('zurich_000001_000019_0', 0.3158), ('cologne_000046_000019_13', 0.3198), ('frankfurt_000001_017459_18', 0.3241), ('tubingen_000082_000019_5', 0.3267)]

Image pairs with highest cosine distance
[('strasbourg_000000_029339_15', 0.5784), ('jena_000089_000019_8', 0.5786), ('erfurt_000050_000019_4', 0.5831), ('cologne_000105_000019_4', 0.5851), ('dusseldorf_000015_000019_0', 0.5983)]

aachen_000017_000019_12 aachen_000017_000019_12
Cosine Distance: 0.3734

TARGET: aachen_000017_000019_12

Image pairs with lowest cosine distance
[('darmstadt_000068_000019_6', 0.3427), ('hamburg_000000_031971_1', 0.3469), ('munster_000139_000019_13', 0.362), ('hamburg_000000_073758_10', 0.3657), ('cologne_000058_000019_2', 0.3677), ('weimar_000111_000019_0', 0.3686)]

Image pairs with highest cosine distance
[('jena_000117_000019_0', 0.6308), ('monchengladbach_000000_018575_5', 0.6317), ('frankfurt_000001_064798_0', 0.6338), ('strasbourg_000001_051317_40', 0.6428), ('strasbourg_000000_035713_1', 0.6683)]

aachen_000017_000019_17 aachen_000017_000019_17
Cosine Distance: 0.4326

TARGET: aachen_000017_000019_17

Image pairs with lowest cosine distance
[('hamburg_000000_044400_2', 0.2822), ('weimar_000055_000019_0', 0.2854), ('weimar_000098_000019_7', 0.2953), ('strasbourg_000001_051934_27', 0.3087), ('monchengladbach_000000_035083_2', 0.3098), ('strasbourg_000000_017283_1', 0.3165)]

Image pairs with highest cosine distance
[('strasbourg_000001_061472_2', 0.6159), ('frankfurt_000001_011162_23', 0.6181), ('strasbourg_000000_029339_15', 0.6358), ('hanover_000000_005732_11', 0.6392), ('weimar_000075_000019_4', 0.6416)]

aachen_000009_000019_0 aachen_000009_000019_0
Cosine Distance: 0.3444

TARGET: aachen_000009_000019_0

Image pairs with lowest cosine distance
[('strasbourg_000000_029729_22', 0.2887), ('hanover_000000_026356_9', 0.3231), ('hamburg_000000_073672_13', 0.3241), ('weimar_000098_000019_6', 0.3246), ('aachen_000033_000019_4', 0.3279), ('hanover_000000_036562_1', 0.3282)]

Image pairs with highest cosine distance
[('zurich_000003_000019_20', 0.6237), ('hanover_000000_042382_9', 0.6276), ('weimar_000099_000019_17', 0.6293), ('hamburg_000000_070334_5', 0.6307), ('hamburg_000000_103075_54', 0.6595)]

aachen_000017_000019_14 aachen_000017_000019_14
Cosine Distance: 0.4463

TARGET: aachen_000017_000019_14

Image pairs with lowest cosine distance
[('stuttgart_000077_000019_1', 0.2113), ('munster_000137_000019_4', 0.2467), ('tubingen_000069_000019_5', 0.2487), ('hamburg_000000_096624_5', 0.2619), ('dusseldorf_000010_000019_1', 0.2749), ('weimar_000111_000019_1', 0.2829)]

Image pairs with highest cosine distance
[('tubingen_000062_000019_0', 0.6041), ('bremen_000220_000019_5', 0.6101), ('jena_000089_000019_8', 0.6118), ('strasbourg_000001_006386_0', 0.6155), ('erfurt_000076_000019_7', 0.6182)]

aachen_000019_000019_14 aachen_000019_000019_14
Cosine Distance: 0.1259

TARGET: aachen_000019_000019_14

Image pairs with lowest cosine distance
[('aachen_000019_000019_14', 0.1259), ('munster_000062_000019_16', 0.1911), ('bremen_000201_000019_8', 0.2334), ('jena_000056_000019_0', 0.2359), ('jena_000000_000019_1', 0.2901), ('jena_000092_000019_4', 0.2928)]

Image pairs with highest cosine distance
[('erfurt_000050_000019_4', 0.5975), ('strasbourg_000000_029339_15', 0.599), ('hamburg_000000_047220_15', 0.6004), ('krefeld_000000_026580_0', 0.612), ('hanover_000000_029404_1', 0.6217)]

aachen_000005_000019_1 aachen_000005_000019_1
Cosine Distance: 0.3847

TARGET: aachen_000005_000019_1

Image pairs with lowest cosine distance
[('frankfurt_000001_079206_0', 0.3066), ('frankfurt_000001_048355_0', 0.3224), ('strasbourg_000001_002081_9', 0.3226), ('strasbourg_000001_014033_6', 0.3233), ('strasbourg_000001_003489_0', 0.3241), ('hanover_000000_023614_3', 0.3312)]

Image pairs with highest cosine distance
[('hanover_000000_040051_11', 0.6026), ('ulm_000028_000019_1', 0.6031), ('strasbourg_000000_026611_12', 0.6091), ('strasbourg_000001_051934_21', 0.6129), ('monchengladbach_000000_018575_5', 0.6287)]

aachen_000019_000019_26 aachen_000019_000019_26
Cosine Distance: 0.2717

TARGET: aachen_000019_000019_26

Image pairs with lowest cosine distance

[('aachen_000019_000019_26', 0.2717), ('bochum_000000_003674_1', 0.2852), ('jena_000082_000019_12', 0.3015), ('hamburg_000000_045704_39', 0.3046), ('aachen_000048_000019_3', 0.312), ('strasbourg_000001_005289_0', 0.314)]

Image pairs with highest cosine distance

[('krefeld_000000_026580_0', 0.6319), ('hanover_000000_028202_1', 0.6351), ('zurich_000102_000019_0', 0.6369), ('frankfurt_000001_007973_4', 0.638), ('strasbourg_000001_052050_15', 0.642)]

aachen_000019_000019_27 aachen_000019_000019_27

Cosine Distance: 0.2102

TARGET: aachen_000019_000019_27

Image pairs with lowest cosine distance

[('aachen_000019_000019_27', 0.2102), ('strasbourg_000001_032660_0', 0.2273), ('aachen_000020_000019_7', 0.2646), ('munster_000060_000019_0', 0.2783), ('stuttgart_000076_000019_1', 0.2791), ('erfurt_000023_000019_0', 0.2859)]

Image pairs with highest cosine distance

[('hamburg_000000_074425_4', 0.6005), ('tubingen_000080_000019_15', 0.6037), ('stuttgart_000187_000019_7', 0.6131), ('dusseldorf_000015_000019_0', 0.6339), ('frankfurt_000001_007973_4', 0.6411)]

saved results saved_features_torchreid_datasets_1200_w40_solid_cropped_train_datasets_1200_w40_solid_images_train_overfit_10_cropped_torchreid_cosine_distance.pkl

saved results saved_features_torchreid_datasets_1200_w40_solid_cropped_train_datasets_1200_w40_solid_images_train_overfit_10_cropped_torchreid_cosine_distance.pkl (torchreid) Kaleighs-MacBook-Pro-2:deep-person-reid-master kaleighahara\$ python compare_features.py --image_dir 'saved_features_torchreid_datasets_1200_w40_solid_cropped_train.pkl' --image_dir_targets 'datasets_1200_w40_solid_images/train_overfit_10/cropped'

/Users/kaleighahara/Desktop/Thesis/REPO/AnonymizePeople/deep-person-reid/torchreid/metrics/rank.py:12: UserWarning: Cython evaluation (very fast so highly recommended) is unavailable, now use python evaluation.

['Cython evaluation (very fast so highly recommended) is '

Successfully loaded imagenet pretrained weights from "/Users/kaleighahara/.cache/torch/checkpoints/osnet_a1_0_imagenet.pth"

** The following layers are discarded due to unmatched keys or layer size: ['classifier.weight', 'classifier.bias']

/Users/kaleighahara/anaconda3/envs/torchreid/lib/python3.7/site-packages/torch/nn/functional.py:718: UserWarning: Named tensors and all their associated APIs are an experimental feature and subject to change. Please do not use them for anything important until they are released as stable. (Triggered internally at /Users/distiller/project/conda/conda-bld/pytorch_1623459064158/work/c10/core/TensorImpl.h:1156.)

return torch.max_pool2d(input, kernel_size, stride, padding, dilation, ceil_mode)

Model: osnet_a1_0

- params: 2,193,616

- flops: 978,878,352

Successfully loaded pretrained weights from "weights/osnet_a1_0_dukemtmcrid_256x128_omsgrad_ep90_lr0.0015_coslr_b64_fb10_softmax_labsmth_flip_jitter.pth"

** The following layers are discarded due to unmatched keys or layer size: ['classifier.weight', 'classifier.bias']

target_image_files [datasets_1200_w40_solid_images/train_overfit_10/cropped/aachen_000017_000019_13.png', 'datasets_1200_w40_solid_images/train_overfit_10/cropped/aachen_000019_000019_9.png', 'datasets_1200_w40_solid_images/train_overfit_10/cropped/aachen_000017_000019_12.png', 'datasets_1200_w40_solid_images/train_overfit_10/cropped/aachen_000017_000019_17.png', 'datasets_1200_w40_solid_images/train_overfit_10/cropped/aachen_000009_000019_0.png', 'datasets_1200_w40_solid_images/train_overfit_10/cropped/aachen_000017_000019_14.png', 'datasets_1200_w40_solid_images/train_overfit_10/cropped/aachen_000019_000019_14.png', 'datasets_1200_w40_solid_images/train_overfit_10/cropped/aachen_000005_000019_1.png', 'datasets_1200_w40_solid_images/train_overfit_10/cropped/aachen_000019_000019_26.png', 'datasets_1200_w40_solid_images/train_overfit_10/cropped/aachen_000019_000019_27.png']

features torch.Size([1200, 512])

target_features torch.Size([10, 512])

aachen_000017_000019_13 aachen_000017_000019_13

Cosine Distance: 0.2918

TARGET: aachen_000017_000019_13

Image pairs with lowest cosine distance

[('bremen_000100_000019_24', 0.2796), ('aachen_000017_000019_13', 0.2918), ('strasbourg_000001_035562_6', 0.2939), ('munster_000005_000019_2', 0.2946), ('weimar_000055_000019_1', 0.3127), ('cologne_000123_000019_13', 0.3174)]

aachen_000019_000019_9 aachen_000019_000019_9

Cosine Distance: 0.3982

TARGET: aachen_000019_000019_9

Image pairs with lowest cosine distance

[('stuttgart_000031_000019_4', 0.2835), ('munster_000049_000019_8', 0.3143), ('zurich_000001_000019_0', 0.3158), ('cologne_000046_000019_13', 0.3198), ('frankfurt_000001_017459_18', 0.3241), ('tubingen_000082_000019_5', 0.3267)]

aachen_000017_000019_12 aachen_000017_000019_12

Cosine Distance: 0.3734

TARGET: aachen_000017_000019_12

Image pairs with lowest cosine distance

[('darmstadt_000068_000019_6', 0.3427), ('hamburg_000000_031971_1', 0.3469), ('munster_0000139_000019_13', 0.362), ('hamburg_000000_073758_10', 0.3657), ('cologne_000058_000019_2', 0.3677), ('weimar_000111_000019_0', 0.3686)]

aachen_000017_000019_17 aachen_000017_000019_17

Cosine Distance: 0.4326

TARGET: aachen_000017_000019_17

Image pairs with lowest cosine distance

[('hamburg_000000_044400_2', 0.2822), ('weimar_000055_000019_0', 0.2854), ('weimar_000098_000019_7', 0.2953), ('strasbourg_000001_051934_27', 0.3087), ('manchengladbach_000000_035083_2', 0.3098), ('strasbourg_000000_017283_1', 0.3165)]

aachen_000009_000019_0 aachen_000009_000019_0

Cosine Distance: 0.3444

TARGET: aachen_000009_000019_0

Image pairs with lowest cosine distance

[('strasbourg_000000_029729_22', 0.2887), ('hanover_000000_026356_9', 0.3231), ('hamburg_000000_073672_13', 0.3241), ('weimar_000098_000019_6', 0.3246), ('aachen_000033_000019_4', 0.3279), ('hanover_000000_036562_1', 0.3282)]

aachen_000017_000019_14 aachen_000017_000019_14

Cosine Distance: 0.4463

TARGET: aachen_000017_000019_14

Image pairs with lowest cosine distance

[('stuttgart_000077_000019_1', 0.2113), ('munster_000137_000019_4', 0.2467), ('tubingen_000069_000019_5', 0.2487), ('hamburg_000000_096624_5', 0.2619), ('dusseldorf_000010_000019_1', 0.2749), ('weimar_000111_000019_1', 0.2829)]

aachen_000019_000019_14 aachen_000019_000019_14

Cosine Distance: 0.1259

TARGET: aachen_000019_000019_14

Image pairs with lowest cosine distance

[('aachen_000019_000019_14', 0.1259), ('munster_000062_000019_16', 0.1911), ('bremen_000201_000019_8', 0.2334), ('jena_000056_000019_0', 0.2359), ('jena_000000_000019_1', 0.2901), ('jena_000092_000019_4', 0.2928)]

aachen_000005_000019_1 aachen_000005_000019_1

Cosine Distance: 0.3847

TARGET: aachen_000005_000019_1

Image pairs with lowest cosine distance

[('frankfurt_000001_079206_0', 0.3066), ('frankfurt_000001_048355_0', 0.3224), ('strasbourg_000001_002081_9', 0.3226), ('strasbourg_000001_014033_6', 0.3233), ('strasbourg_000001_003489_0', 0.3241), ('hanover_000000_023614_3', 0.3312)]

aachen_000019_000019_26 aachen_000019_000019_26

Cosine Distance: 0.2717

TARGET: aachen_000019_000019_26

Image pairs with lowest cosine distance

[('aachen_000019_000019_26', 0.2717), ('bochum_000000_003674_1', 0.2852), ('jena_000082_000019_12', 0.3015), ('hamburg_000000_045704_39', 0.3046), ('aachen_000048_000019_3', 0.312), ('strasbourg_000001_005289_0', 0.314)]

aachen_000019_000019_27 aachen_000019_000019_27

Cosine Distance: 0.2102

TARGET: aachen_000019_000019_27

Image pairs with lowest cosine distance

[('aachen_000019_000019_27', 0.2102), ('strasbourg_000001_032660_0', 0.2273), ('aachen_000020_000019_7', 0.2646), ('munster_000060_000019_0', 0.2783), ('stuttgart_000076_000019_1', 0.2791), ('erfurt_000023_000019_0', 0.2859)]

]

LOWEST/HIGHEST COSINE DISTANCE

Image pairs with lowest cosine distance

```
[('aachen_000019_000019_14', 'aachen_000019_000019_14', 0.1259), ('aachen_000019_000019_14', 'munster_000062_000019_16', 0.1911), ('aachen_000019_000019_27', 'aachen_000019_000019_27', 0.2102), ('aachen_000017_000019_14', 'stuttgart_000077_000019_1', 0.2113), ('aachen_000019_000019_27', 'strasbourg_000001_032660_0', 0.2273), ('aachen_000019_000019_14', 'bremen_000201_000019_8', 0.2334), ('aachen_000019_000019_14', 'jena_000056_000019_0', 0.2359), ('aachen_000017_000019_14', 'munster_000137_000019_4', 0.2467), ('aachen_000017_000019_14', 'tubingen_000069_000019_5', 0.2487), ('aachen_000017_000019_14', 'hamburg_000000_096624_5', 0.2619)]
```

Image pairs with highest cosine distance

```
[('aachen_000019_000019_26', 'zurich_000102_000019_0', 0.6369), ('aachen_000019_000019_26', 'frankfurt_000001_007973_4', 0.638), ('aachen_000017_000019_13', 'strasbourg_000000_029339_15', 0.6391), ('aachen_000017_000019_17', 'hanover_000000_005732_11', 0.6392), ('aachen_000019_000019_27', 'frankfurt_000001_007973_4', 0.6411), ('aachen_000017_000019_17', 'weimar_000075_000019_4', 0.6416), ('aachen_000019_000019_26', 'strasbourg_000001_052050_15', 0.642), ('aachen_000017_000019_12', 'strasbourg_000001_051317_40', 0.6428), ('aachen_000009_000019_0', 'hamburg_000000_103075_54', 0.6595), ('aachen_000017_000019_12', 'strasbourg_000000_035713_1', 0.6683)]
```

SAVED RESULTS - saved_features_torchreid_datasets_1200_w40_solid_cropped_train_datasets_1200_w40_solid_images_train_overfit_10_cropped_torchreid_cosine_distance.pkl

```
(torchreid) Kaleighs-MacBook-Pro-2:deep-person-reid-master kaleighahara$ python compare_features.py --image_dir 'saved_features_torchreid_datasets_1200_w40_solid_cropped_train.pkl' --image_dir_targets 'datasets_1200_w40_solid_images/train_overfit_10_cropped'
```

*(Cython evaluation (very fast so highly recommended) is 'Users/kaleighahara/Desktop/Thesis/REPO/AnonymizePeople/deep-person-reid/torchreid/metrics/rank.py:12: UserWarning: Cython evaluation (very fast so highly recommended) is unavailable, now use python evaluation.

Successfully loaded imagenet pretrained weights from "Users/kaleighahara/.cache/torch/checkpoints/osnet_ain_x1_0_imagenet.pth"

** The following layers are discarded due to unmatched keys or layer size: ['classifier.weight', 'classifier.bias']

Users/kaleighahara/anaconda3/envs/torchreid/lib/python3.7/site-packages/torch/nn/functional.py:718: UserWarning: Named tensors and all their associated APIs are an experimental feature and subject to change. Please do not use them for anything important until they are released as stable. (Triggered internally at /Users/distiller/project/conda/conda-bld/pytorch_1623459064158/work/c10/core/TensorImpl.h:1156.)

return torch.max_pool2d(input, kernel_size, stride, padding, dilation, ceil_mode)

Model: osnet_ain_x1_0

- params: 2,193,616

- flops: 978,878,352

Successfully loaded pretrained weights from "weights/osnet_ain_x1_0_dukemtcreid_256x128_omsgrad_ep90_lr0.0015_coslr_b64_fb10_softmax_labsmth_flip_jitter.pth"

** The following layers are discarded due to unmatched keys or layer size: ['classifier.weight', 'classifier.bias']

```
target_image_files ['datasets_1200_w40_solid/images/train_overfit_10_cropped/aachen_000017_000019_13.png', 'datasets_1200_w40_solid/images/train_overfit_10_cropped/aachen_000019_000019_9.png', 'datasets_1200_w40_solid/images/train_overfit_10_cropped/aachen_000017_000019_12.png', 'datasets_1200_w40_solid/images/train_overfit_10_cropped/aachen_000017_000019_17.png', 'datasets_1200_w40_solid/images/train_overfit_10_cropped/aachen_000009_000019_0.png', 'datasets_1200_w40_solid/images/train_overfit_10_cropped/aachen_000017_000019_14.png', 'datasets_1200_w40_solid/images/train_overfit_10_cropped/aachen_000019_000019_14.png', 'datasets_1200_w40_solid/images/train_overfit_10_cropped/aachen_000005_000019_1.png', 'datasets_1200_w40_solid/images/train_overfit_10_cropped/aachen_000019_000019_26.png', 'datasets_1200_w40_solid/images/train_overfit_10_cropped/aachen_000019_000019_27.png']
features torch.Size([1200, 512])
target_features torch.Size([10, 512])
```

aachen_000017_000019_13 aachen_000017_000019_13

Cosine Distance: 0.2918

TARGET: aachen_000017_000019_13

Image pairs with lowest cosine distance

```
[('bremen_000100_000019_24', 0.2796), ('aachen_000017_000019_13', 0.2918), ('strasbourg_000001_035562_6', 0.2939), ('munster_000005_000019_2', 0.2946), ('weimar_000055_000019_1', 0.3127), ('cologne_000123_000019_13', 0.3174)]
```

aachen_000019_000019_9 aachen_000019_000019_9

Cosine Distance: 0.3982

TARGET: aachen_000019_000019_9

Image pairs with lowest cosine distance

```
[('stuttgart_000031_000019_4', 0.2835), ('munster_000049_000019_8', 0.3143), ('zurich_000001_000019_0', 0.3158), ('cologne_000046_000019_13', 0.3198), ('frankfurt_000001_017459_18', 0.3241), ('tubingen_000082_000019_5', 0.3267)]
```

aachen_000017_000019_12 aachen_000017_000019_12

Cosine Distance: 0.3734

TARGET: aachen_000017_000019_12

Image pairs with lowest cosine distance

```
[('darmstadt_000068_000019_6', 0.3427), ('hamburg_000000_031971_1', 0.3469), ('munster_000139_000019_13', 0.362), ('hamburg_000000_073758_10', 0.3657), ('cologne_000058_000019_2', 0.3677), ('weimar_000111_000019_0', 0.3686)]
```

aachen_000017_000019_17 aachen_000017_000019_17

Cosine Distance: 0.4326

TARGET: aachen_000017_000019_17

Image pairs with lowest cosine distance

```
[('hamburg_000000_044400_2', 0.2822), ('weimar_000055_000019_0', 0.2854), ('weimar_000098_000019_7', 0.2953), ('strasbourg_000001_051934_27', 0.3087), ('monchengladbach_000000_035083_2', 0.3098), ('strasbourg_000000_017283_1', 0.3165)]
```

aachen_000009_000019_0 aachen_000009_000019_0

Cosine Distance: 0.3444

TARGET: aachen_000009_000019_0

Image pairs with lowest cosine distance

```
[('strasbourg_000000_029729_22', 0.2887), ('hanover_000000_026356_9', 0.3231), ('hamburg_000000_073672_13', 0.3241), ('weimar_000098_000019_6', 0.3246), ('aachen_000033_000019_4', 0.3279), ('hanover_000000_036562_1', 0.3282)]
```

aachen_000017_000019_14 aachen_000017_000019_14

Cosine Distance: 0.4463

TARGET: aachen_000017_000019_14

Image pairs with lowest cosine distance

```
[('stuttgart_000077_000019_1', 0.2113), ('munster_000137_000019_4', 0.2467), ('tubingen_000069_000019_5', 0.2487), ('hamburg_000000_096624_5', 0.2619), ('dusseldorf_000010_000019_1', 0.2749), ('weimar_000111_000019_1', 0.2829)]
```

aachen_000019_000019_14 aachen_000019_000019_14

Cosine Distance: 0.1259

TARGET: aachen_000019_000019_14

Image pairs with lowest cosine distance

```
[('aachen_000019_000019_14', 0.1259), ('munster_000062_000019_16', 0.1911), ('bremen_000201_000019_8', 0.2334), ('jena_000056_000019_0', 0.2359), ('jena_000000_000019_1', 0.2901), ('jena_000092_000019_4', 0.2928)]
```

aachen_000005_000019_1 aachen_000005_000019_1

Cosine Distance: 0.3847

TARGET: aachen_000005_000019_1

Image pairs with lowest cosine distance

```
[('frankfurt_000001_079206_0', 0.3066), ('frankfurt_000001_048355_0', 0.3224), ('strasbourg_000001_003208_9', 0.3226), ('strasbourg_000001_014033_6', 0.3233), ('strasbourg_000001_003489_0', 0.3241), ('hanover_000000_023614_3', 0.3312)]
```

aachen_000019_000019_26 aachen_000019_000019_26

Cosine Distance: 0.2717

TARGET: aachen_000019_000019_26

Image pairs with lowest cosine distance

```
[('aachen_000019_000019_26', 0.2717), ('bochum_000000_003674_1', 0.2852), ('jena_000082_000019_12', 0.3015), ('hamburg_000000_045704_39', 0.3046), ('aachen_000048_000019_3', 0.312), ('strasbourg_000001_005289_0', 0.314)]
```

aachen_000019_000019_27 aachen_000019_000019_27

Cosine Distance: 0.2102

TARGET: aachen_000019_000019_27

Image pairs with lowest cosine distance

```
[('aachen_000019_000019_27', 0.2102), ('strasbourg_000001_032660_0', 0.2273), ('aachen_000020_000019_7', 0.2646), ('munster_000060_000019_0', 0.2783), ('stuttgart_000076_000019_1', 0.2791), ('erfurt_000023_000019_0', 0.2859)]
```

LOWEST/HIGHEST COSINE DISTANCE

Image pairs with lowest cosine distance

```
[('aachen_000019_000019_14', 'aachen_000019_000019_14', 0.1259)]
```

```
((('aachen_000019_000019_14', 'munster_000062_000019_16'), 0.1911)
(('aachen_000019_000019_27', 'aachen_000019_000019_27'), 0.2102)
(('aachen_000017_000019_14', 'stuttgart_000077_000019_1'), 0.2113)
(('aachen_000019_000019_27', 'strasbourg_000001_032660_0'), 0.2273)
(('aachen_000019_000019_14', 'bremen_000201_000019_8'), 0.2334)
(('aachen_000019_000019_14', 'jena_000056_000019_0'), 0.2359)
(('aachen_000017_000019_14', 'munster_000137_000019_4'), 0.2467)
(('aachen_000017_000019_14', 'tubingen_000069_000019_5'), 0.2487)
(('aachen_000017_000019_14', 'hamburg_000000_096624_5'), 0.2619)

Image pairs with highest cosine distance
(('aachen_000019_000019_26', 'zurich_000102_000019_0'), 0.6369)
(('aachen_000019_000019_26', 'frankfurt_000001_007973_4'), 0.638)
(('aachen_000017_000019_13', 'strasbourg_000000_029339_15'), 0.6391)
(('aachen_000017_000019_17', 'hanover_000000_005732_11'), 0.6392)
(('aachen_000019_000019_27', 'frankfurt_000001_007973_4'), 0.6411)
(('aachen_000017_000019_17', 'weimar_000075_000019_4'), 0.6416)
(('aachen_000019_000019_26', 'strasbourg_000001_052050_15'), 0.642)
(('aachen_000017_000019_12', 'strasbourg_000001_051317_40'), 0.6428)
(('aachen_000009_000019_0', 'hamburg_000000_103075_54'), 0.6595)
(('aachen_000017_000019_12', 'strasbourg_000000_035713_1'), 0.6683)
SAVED RESULTS - saved_features_torchreid_datasets_1200_w40_solid_cropped_train_datasets_1200_w40_solid_images_train_overfit_10_cropped_torchreid_cosine_distance.pkl
(torchreid) Kaleighs-MacBook-Pro-2:deep-person-reid-master kaleighahara$ python compare_features.py --image_dir 'saved_features_torchreid_datasets_1200_w40_solid_cropped_train.pkl' --image_dir_targets 'datasets_1200_w40_solid_images_train_overfit_10_cropped'
/Users/kaleighahara/Desktop/Thesis/REPO/AnonymizePeople/deep-person-reid/torchreid/metrics/rank.py:12: UserWarning: Cython evaluation (very fast so highly recommended) is unavailable, now use python evaluation.
  'Cython evaluation (very fast so highly recommended) is '
Successfully loaded imagenet pretrained weights from "/Users/kaleighahara/.cache/torch/checkpoints/osnet_ain_x1_0_imagenet.pth"
** The following layers are discarded due to unmatched keys or layer size: ['classifier.weight', 'classifier.bias']
/Users/kaleighahara/anaconda3/envs/torchreid/lib/python3.7/site-packages/torch/nn/functional.py:718: UserWarning: Named tensors and all their associated APIs are an experimental feature and subject to change. Please do not use them for anything important until they are released as stable. (Triggered internally at /Users/kaleighahara/.conda-bld/pytorch_1623459064158/work/core/TensorImpl.h:1156.)
  return torch.max_pool2d(input, kernel_size, stride, padding, dilation, ceil_mode)
Model: osnet_ain_x1_0
- params: 2,193,616
- flops: 978,878,352
Successfully loaded pretrained weights from "weights/osnet_ain_x1_0_dukemtmcrid_256x128_amsgrad_ep90_lr0.0015_cosl_r_b64_fb10_softmax_labsmth_flip_jitter.pth"
** The following layers are discarded due to unmatched keys or layer size: ['classifier.weight', 'classifier.bias']
target_image_files ['datasets_1200_w40_solid_images/train_overfit_10_cropped/aachen_000017_000019_13.png', 'datasets_1200_w40_solid_images/train_overfit_10_cropped/aachen_000019_000019_9.png', 'datasets_1200_w40_solid_images/train_overfit_10_cropped/aachen_000017_000019_12.png', 'datasets_1200_w40_solid_images/train_overfit_10_cropped/aachen_000017_000019_17.png', 'datasets_1200_w40_solid_images/train_overfit_10_cropped/aachen_000009_000019_0.png', 'datasets_1200_w40_solid_images/train_overfit_10_cropped/aachen_000017_000019_14.png', 'datasets_1200_w40_solid_images/train_overfit_10_cropped/aachen_000019_000019_14.png', 'datasets_1200_w40_solid_images/train_overfit_10_cropped/aachen_000005_000019_1.png', 'datasets_1200_w40_solid_images/train_overfit_10_cropped/aachen_000019_000019_26.png', 'datasets_1200_w40_solid_images/train_overfit_10_cropped/aachen_000019_000019_27.png']
features_torch.Size([1200, 512])
target_features_torch.Size([10, 512])

aachen_000017_000019_13 aachen_000017_000019_13
Cosine Distance: 0.2918

TARGET: aachen_000017_000019_13

Image pairs with lowest cosine distance
[['bremen_000100_000019_24', 0.2796], ['aachen_000017_000019_13', 0.2918], ['strasbourg_000001_035562_6', 0.2939], ['munster_000005_000019_2', 0.2946], ['weimar_000055_000019_1', 0.3127], ['cologne_000123_000019_13', 0.3174]]

aachen_000019_000019_9 aachen_000019_000019_9
Cosine Distance: 0.3982

TARGET: aachen_000019_000019_9

Image pairs with lowest cosine distance
[['stuttgart_000031_000019_4', 0.2835], ['munster_000049_000019_8', 0.3143], ['zurich_000001_000019_0', 0.3158], ['cologne_000046_000019_13', 0.3198], ['frankfurt_000001_017459_18', 0.3241], ['tubingen_000082_000019_5', 0.3267]]

aachen_000017_000019_12 aachen_000017_000019_12
Cosine Distance: 0.3734

TARGET: aachen_000017_000019_12

Image pairs with lowest cosine distance
[['darmstadt_000068_000019_6', 0.3427], ['hamburg_000000_031971_1', 0.3469], ['munster_0000139_000019_13', 0.362], ['hamburg_000000_073758_10', 0.3657], ['cologne_000058_000019_2', 0.3677], ['weimar_000111_000019_0', 0.3686]]

aachen_000017_000019_17 aachen_000017_000019_17
Cosine Distance: 0.4326

TARGET: aachen_000017_000019_17

Image pairs with lowest cosine distance
[['hamburg_000000_044400_2', 0.2822], ['weimar_000055_000019_0', 0.2854], ['weimar_000098_000019_7', 0.2953], ['strasbourg_000001_051934_27', 0.3087], ['monchengladbach_000000_035083_2', 0.3098], ['strasbourg_000000_017283_1', 0.3165]]

aachen_000009_000019_0 aachen_000009_000019_0
Cosine Distance: 0.3444

TARGET: aachen_000009_000019_0

Image pairs with lowest cosine distance
[['strasbourg_000000_029729_22', 0.2887], ['hanover_000000_026356_9', 0.3231], ['hamburg_000000_073672_13', 0.3241], ['weimar_000098_000019_6', 0.3246], ['aachen_000033_000019_4', 0.3279], ['hanover_000000_036562_1', 0.3282]]

aachen_000017_000019_14 aachen_000017_000019_14
Cosine Distance: 0.4463

TARGET: aachen_000017_000019_14

Image pairs with lowest cosine distance
[['stuttgart_000077_000019_1', 0.2113], ['munster_000137_000019_4', 0.2467], ['tubingen_000069_000019_5', 0.2487], ['hamburg_000000_096624_5', 0.2619], ['dusseldorf_000010_000019_1', 0.2749], ['weimar_000111_000019_1', 0.2829]]

aachen_000019_000019_14 aachen_000019_000019_14
Cosine Distance: 0.1259

TARGET: aachen_000019_000019_14

Image pairs with lowest cosine distance
[['aachen_000019_000019_14', 0.1259], ['munster_000062_000019_16', 0.1911], ['bremen_000201_000019_8', 0.2334], ['jena_000056_000019_0', 0.2359], ['jena_000000_000019_1', 0.2901], ['jena_000092_000019_4', 0.2928]]

aachen_000005_000019_1 aachen_000005_000019_1
Cosine Distance: 0.3847

TARGET: aachen_000005_000019_1

Image pairs with lowest cosine distance
[['frankfurt_000001_079206_0', 0.3066], ['frankfurt_000001_048355_0', 0.3224], ['strasbourg_000001_002081_9', 0.3226], ['strasbourg_000001_014033_6', 0.3233], ['strasbourg_000001_003489_0', 0.3241], ['hanover_000000_023614_3', 0.3312]]

aachen_000019_000019_26 aachen_000019_000019_26
Cosine Distance: 0.2717

TARGET: aachen_000019_000019_26

Image pairs with lowest cosine distance
[['aachen_000019_000019_26', 0.2717], ['bochum_000000_003674_1', 0.2852], ['jena_000082_000019_12', 0.3015], ['hamburg_000000_045704_39', 0.3046], ['aachen_000048_000019_3', 0.312], ['strasbourg_000001_005289_0', 0.314]]

aachen_000019_000019_27 aachen_000019_000019_27
Cosine Distance: 0.2102

TARGET: aachen_000019_000019_27

Image pairs with lowest cosine distance
[['frankfurt_000019_000019_27', 0.2102], ['strasbourg_000001_032660_0', 0.2273], ['aachen_000020_000019_7', 0.2646], ['munster_000060_000019_0', 0.2783], ['stuttgart_000076_000019_1', 0.2791], ['erfurt_000023_000019_0', 0.2859]]
```

LOWEST/HIGHEST COSINE DISTANCE

Image pairs with lowest cosine distance

```
((('aachen_000019_000019_14', 'aachen_000019_000019_14'), 0.1259)
((('aachen_000019_000019_14', 'munster_000062_000019_16'), 0.1911)
((('aachen_000019_000019_27', 'aachen_000019_000019_27'), 0.2182)
((('aachen_000017_000019_14', 'stuttgart_000077_000019_1'), 0.2113)
((('aachen_000019_000019_27', 'strasbourg_000001_032660_0'), 0.2273)
((('aachen_000019_000019_14', 'bremen_000201_000019_8'), 0.2334)
((('aachen_000019_000019_14', 'jena_000056_000019_0'), 0.2359)
((('aachen_000017_000019_14', 'munster_000137_000019_4'), 0.2467)
((('aachen_000017_000019_14', 'tubingen_000069_000019_5'), 0.2487)
((('aachen_000017_000019_14', 'hamburg_000000_096624_5'), 0.2619)
```

Image pairs with highest cosine distance

```
((('aachen_000019_000019_26', 'zurich_000102_000019_0'), 0.6369)
((('aachen_000019_000019_26', 'frankfurt_000001_007973_4'), 0.638)
((('aachen_000017_000019_13', 'strasbourg_000000_029339_15'), 0.6391)
((('aachen_000017_000019_17', 'hanover_000000_005732_11'), 0.6392)
((('aachen_000019_000019_27', 'frankfurt_000001_007973_4'), 0.6411)
((('aachen_000017_000019_17', 'weimar_000075_000019_4'), 0.6416)
((('aachen_000019_000019_26', 'strasbourg_000001_052050_15'), 0.642)
((('aachen_000017_000019_12', 'strasbourg_000001_051317_40'), 0.6428)
((('aachen_000009_000019_0', 'hamburg_000000_103075_54'), 0.6595)
((('aachen_000017_000019_12', 'strasbourg_000000_035713_1'), 0.6683)
```

SAVED RESULTS - torchreid_cosine_distance__saved_features_torchreid_datasets_1200_w40_solid_cropped_train_datasets_1200_w40_solid_images_train_overfit_10_cropped.pkl

(torchreid) Kaleighs-MacBook-Pro-2:deep-person-reid-master kaleighohara\$ python save_features.py --image_dir 'datasets_1200_w40_solid/images/train_overfit_10'

/Users/kaleighohara/Desktop/Thesis/REPO/AnonymizePeople/deep-person-reid/torchreid/metrics/rank.py:12: UserWarning: Cython evaluation (very fast so highly recommended) is unavailable, now use python evaluation.

'Cython evaluation (very fast so highly recommended) is '

Successfully loaded imagenet pretrained weights from "/Users/kaleighohara/.cache/torch/checkpoints/osnet_ain_x1_0_imagenet.pth"

** The following layers are discarded due to unmatched keys or layer size: ['classifier.weight', 'classifier.bias']

/Users/kaleighohara/anacoda3/envs/torchreid/lib/python3.7/site-packages/torch/nn/functional.py:718: UserWarning: Named tensors and all their associated APIs are an experimental feature and subject to change. Please do not use them for anything important until they are released as stable. (Triggered internally at /Users/distiller/project/conda/conda-bld/pytorch_1623459064158/work/c10/core/TensorImpl.h:1156.)

return torch.max_pool2d(input, kernel_size, stride, padding, dilation, ceil_mode)

Model: osnet_ain_x1_0

- params: 2,193,616

- flops: 978,878,352

Successfully loaded pretrained weights from "weights/osnet_ain_x1_0_dukemtmcrid_256x128_amsgrad_ep90_lr0.0015_coslr_b64_fb10_softmax_labsmth_flip_jitter.pth"

** The following layers are discarded due to unmatched keys or layer size: ['classifier.weight', 'classifier.bias']

features torch.Size([10, 512])

(torchreid) Kaleighs-MacBook-Pro-2:deep-person-reid-master kaleighohara\$ python save_features.py --image_dir 'datasets_1200_w40_solid/images/train_overfit_10'

/Users/kaleighohara/Desktop/Thesis/REPO/AnonymizePeople/deep-person-reid/torchreid/metrics/rank.py:12: UserWarning: Cython evaluation (very fast so highly recommended) is unavailable, now use python evaluation.

'Cython evaluation (very fast so highly recommended) is '

Successfully loaded imagenet pretrained weights from "/Users/kaleighohara/.cache/torch/checkpoints/osnet_ain_x1_0_imagenet.pth"

** The following layers are discarded due to unmatched keys or layer size: ['classifier.weight', 'classifier.bias']

/Users/kaleighohara/anacoda3/envs/torchreid/lib/python3.7/site-packages/torch/nn/functional.py:718: UserWarning: Named tensors and all their associated APIs are an experimental feature and subject to change. Please do not use them for anything important until they are released as stable. (Triggered internally at /Users/distiller/project/conda/conda-bld/pytorch_1623459064158/work/c10/core/TensorImpl.h:1156.)

return torch.max_pool2d(input, kernel_size, stride, padding, dilation, ceil_mode)

Model: osnet_ain_x1_0

- params: 2,193,616

- flops: 978,878,352

Successfully loaded pretrained weights from "weights/osnet_ain_x1_0_dukemtmcrid_256x128_amsgrad_ep90_lr0.0015_coslr_b64_fb10_softmax_labsmth_flip_jitter.pth"

** The following layers are discarded due to unmatched keys or layer size: ['classifier.weight', 'classifier.bias']

features torch.Size([10, 512])

SAVED FEATURES - saved_features_torchreid_datasets_1200_w40_solid_images_train_overfit_10.pkl

(torchreid) Kaleighs-MacBook-Pro-2:deep-person-reid-master kaleighohara\$ python compare_features.py --image_dir 'saved_features_torchreid_datasets_1200_w40_solid_cropped_train.pkl' --image_dir_targets 'saved_features_torchreid_datasets_1200_w40_solid_images_train_overfit_10.pkl'

/Users/kaleighohara/Desktop/Thesis/REPO/AnonymizePeople/deep-person-reid/torchreid/metrics/rank.py:12: UserWarning: Cython evaluation (very fast so highly recommended) is unavailable, now use python evaluation.

'Cython evaluation (very fast so highly recommended) is '

Successfully loaded imagenet pretrained weights from "/Users/kaleighohara/.cache/torch/checkpoints/osnet_ain_x1_0_imagenet.pth"

** The following layers are discarded due to unmatched keys or layer size: ['classifier.weight', 'classifier.bias']

/Users/kaleighohara/anacoda3/envs/torchreid/lib/python3.7/site-packages/torch/nn/functional.py:718: UserWarning: Named tensors and all their associated APIs are an experimental feature and subject to change. Please do not use them for anything important until they are released as stable. (Triggered internally at /Users/distiller/project/conda/conda-bld/pytorch_1623459064158/work/c10/core/TensorImpl.h:1156.)

return torch.max_pool2d(input, kernel_size, stride, padding, dilation, ceil_mode)

Model: osnet_ain_x1_0

- params: 2,193,616

- flops: 978,878,352

Successfully loaded pretrained weights from "weights/osnet_ain_x1_0_dukemtmcrid_256x128_amsgrad_ep90_lr0.0015_coslr_b64_fb10_softmax_labsmth_flip_jitter.pth"

** The following layers are discarded due to unmatched keys or layer size: ['classifier.weight', 'classifier.bias']

first five target_image_files ['saved_features_torchreid_datasets_1200_w40_solid_images_train_overfit_10.pkl']

features torch.Size([1200, 512])

Traceback (most recent call last):

File "compare_features.py", line 221, in <module>

main()

File "compare_features.py", line 83, in main

target_features = extractor(target_image_files)

File "/Users/kaleighohara/Desktop/Thesis/REPO/AnonymizePeople/deep-person-reid/torchreid/utils/feature_extractor.py", line 115, in __call__

image = Image.open(element).convert('RGB')

File "/Users/kaleighohara/anacoda3/envs/torchreid/lib/python3.7/site-packages/PIL/Image.py", line 3024, in open

"cannot identify image file %r" % (filename if filename else fp)

PIL.UnidentifiedImageError: cannot identify image file 'saved_features_torchreid_datasets_1200_w40_solid_images_train_overfit_10.pkl'

(torchreid) Kaleighs-MacBook-Pro-2:deep-person-reid-master kaleighohara\$ python compare_features.py --image_dir 'saved_features_torchreid_datasets_1200_w40_solid_cropped_train.pkl' --image_dir_targets 'saved_features_torchreid_datasets_1200_w40_solid_images_train_overfit_10.pkl'

/Users/kaleighohara/Desktop/Thesis/REPO/AnonymizePeople/deep-person-reid/torchreid/metrics/rank.py:12: UserWarning: Cython evaluation (very fast so highly recommended) is unavailable, now use python evaluation.

'Cython evaluation (very fast so highly recommended) is '

Successfully loaded imagenet pretrained weights from "/Users/kaleighohara/.cache/torch/checkpoints/osnet_ain_x1_0_imagenet.pth"

** The following layers are discarded due to unmatched keys or layer size: ['classifier.weight', 'classifier.bias']

/Users/kaleighohara/anacoda3/envs/torchreid/lib/python3.7/site-packages/torch/nn/functional.py:718: UserWarning: Named tensors and all their associated APIs are an experimental feature and subject to change. Please do not use them for anything important until they are released as stable. (Triggered internally at /Users/distiller/project/conda/conda-bld/pytorch_1623459064158/work/c10/core/TensorImpl.h:1156.)

return torch.max_pool2d(input, kernel_size, stride, padding, dilation, ceil_mode)

Model: osnet_ain_x1_0

- params: 2,193,616

- flops: 978,878,352

Successfully loaded pretrained weights from "weights/osnet_ain_x1_0_dukemtmcrid_256x128_amsgrad_ep90_lr0.0015_coslr_b64_fb10_softmax_labsmth_flip_jitter.pth"

** The following layers are discarded due to unmatched keys or layer size: ['classifier.weight', 'classifier.bias']

features torch.Size([1200, 512])

target_features torch.Size([10, 512])

aachen_000017_000019_13 aachen_000017_000019_13

Cosine Distance: 0.434

TARGET: aachen_000017_000019_13

Image pairs with lowest cosine distance

```
[('hamburg_000000_073672_15', 0.2939), ('stuttgart_000033_000019_0', 0.3064), ('frankfurt_000001_028335_0', 0.3067), ('darmstadt_000067_000019_11', 0.3072), ('aachen_000017_000019_12', 0.3125), ('strasbourg_000000_006621_1', 0.3166)]
```

aachen_000019_000019_9 aachen_000019_000019_9

Cosine Distance: 0.5195

TARGET: aachen_000019_000019_9

Image pairs with lowest cosine distance

```
[('erfurt_000073_000019_7', 0.3203), ('jena_000054_000019_3', 0.3381), ('weimar_000098_000019_5', 0.3426), ('hamburg_000000_048138_9', 0.3569), ('hamburg_000000_085073_4', 0.3582), ('jena_000045_000019_2', 0.3588)]
```

aachen_000017_000019_12 aachen_000017_000019_12

Cosine Distance: 0.3636

TARGET: aachen_000017_000019_12

Image pairs with lowest cosine distance

```
[('hamburg_000000_073672_15', 0.3415), ('frankfurt_000001_041664_0', 0.3452), ('strasbourg_000001_003489_0', 0.3477), ('krefeld_000000_032614_1', 0.3533), ('zurich_000114_000019_0', 0.3568), ('darmstadt_000067_000019_11', 0.3572)]
```

aachen_000017_000019_17 aachen_000017_000019_17

Cosine Distance: 0.4596

TARGET: aachen_000017_000019_17

Image pairs with lowest cosine distance

```
[('weimar_000098_000019_7', 0.3347), ('strasbourg_000001_039446_10', 0.3405), ('strasbourg_000000_017283_1', 0.3412), ('frankfurt_000001_028335_0', 0.3685), ('hanover_000000_032210_5', 0.3719), ('hamburg_000000_105724_18', 0.3722)]
```

```
.3733]]

aachen_000009_000019_0 aachen_000009_000019_0
Cosine Distance: 0.4185

TARGET: aachen_000009_000019_0

Image pairs with lowest cosine distance
[['frankfurt_000000_020215_5', 0.3153], ('cologne_000148_000019_3', 0.3164), ('strasbourg_000001_050098_25', 0.3205), ('strasbourg_000001_001072_1', 0.3321), ('darmstadt_000067_000019_11', 0.3331), ('strasbourg_000001_026066_0', 0.3339)]

aachen_000017_000019_14 aachen_000017_000019_14
Cosine Distance: 0.4192

TARGET: aachen_000017_000019_14

Image pairs with lowest cosine distance
[['munster_000142_000019_3', 0.292], ('jena_000082_000019_5', 0.2941), ('dusseldorf_000176_000019_8', 0.2989), ('hamburg_000000_053486_4', 0.3078), ('erfurt_000069_000019_3', 0.3131), ('krefeld_000000_020033_4', 0.3181)]

aachen_000019_000019_14 aachen_000019_000019_14
Cosine Distance: 0.3424

TARGET: aachen_000019_000019_14

Image pairs with lowest cosine distance
[['jena_000056_000019_0', 0.2718], ('aachen_000138_000019_4', 0.312), ('frankfurt_000001_055306_7', 0.314), ('jena_000092_000019_4', 0.3191), ('stuttgart_000033_000019_1', 0.3205), ('hamburg_000000_045704_39', 0.3237)]

aachen_000005_000019_1 aachen_000005_000019_1
Cosine Distance: 0.3669

TARGET: aachen_000005_000019_1

Image pairs with lowest cosine distance
[['ulm_000091_000019_2', 0.2506], ('hamburg_000000_073758_10', 0.2696), ('munster_000048_000019_6', 0.2721), ('frankfurt_000001_057954_40', 0.2736), ('hamburg_000000_073672_15', 0.2766), ('krefeld_000000_020033_4', 0.2883)]

aachen_000019_000019_26 aachen_000019_000019_26
Cosine Distance: 0.4814

TARGET: aachen_000019_000019_26

Image pairs with lowest cosine distance
[['strasbourg_000001_005289_0', 0.3762], ('bremen_000100_000019_24', 0.382), ('hamburg_000000_092850_1', 0.3862), ('munster_000026_000019_0', 0.3895), ('strasbourg_000000_033129_7', 0.3923), ('hamburg_000000_045704_39', 0.3938)]

aachen_000019_000019_27 aachen_000019_000019_27
Cosine Distance: 0.4114

TARGET: aachen_000019_000019_27

Image pairs with lowest cosine distance
[['strasbourg_000000_026575_11', 0.3699], ('strasbourg_000000_033838_11', 0.3702), ('hanover_000000_046398_4', 0.3738), ('strasbourg_000001_005289_0', 0.3747), ('bremen_000140_000019_4', 0.3791), ('hamburg_000000_079657_0', 0.382)]

-----
LOWEST/HIGHEST COSINE DISTANCE
-----

Image pairs with lowest cosine distance
(('aachen_000005_000019_1', 'ulm_000091_000019_2'), 0.2506)
(('aachen_000005_000019_1', 'hamburg_000000_073758_10'), 0.2696)
(('aachen_000019_000019_14', 'jena_000056_000019_0'), 0.2718)
(('aachen_000005_000019_1', 'munster_000048_000019_6'), 0.2721)
(('aachen_000005_000019_1', 'frankfurt_000001_057954_40'), 0.2736)
(('aachen_000005_000019_1', 'hamburg_000000_073672_15'), 0.2766)
(('aachen_000005_000019_1', 'krefeld_000000_020033_4'), 0.2883)
(('aachen_000005_000019_1', 'strasbourg_000000_016024_20'), 0.2891)
(('aachen_000005_000019_1', 'munster_000049_000019_8'), 0.29)
(('aachen_000017_000019_14', 'munster_000142_000019_3'), 0.292)

Image pairs with highest cosine distance
(('aachen_000019_000019_9', 'hanover_000000_019672_0'), 0.6272)
(('aachen_000019_000019_14', 'hamburg_000000_070334_5'), 0.6279)
(('aachen_000019_000019_27', 'jena_000117_000019_0'), 0.6316)
(('aachen_000017_000019_17', 'jena_000082_000019_6'), 0.6375)
(('aachen_000019_000019_26', 'hamburg_000000_103075_54'), 0.6384)
(('aachen_000019_000019_26', 'frankfurt_000001_007973_4'), 0.6427)
(('aachen_000019_000019_9', 'hamburg_000000_098616_0'), 0.6432)
(('aachen_000019_000019_27', 'tubingen_000007_000019_4'), 0.6503)
(('aachen_000019_000019_9', 'hamburg_000000_103075_54'), 0.6534)
(('aachen_000019_000019_27', 'frankfurt_000001_007973_4'), 0.6541)

SAVED DISTANCES - torchreid_cosine_distance_saved_features_torchreid_datasets.1200_w40_solid_cropped_train_saved_features_torchreid_datasets.1200_w40_solid_images_train_overfit.10.pkl
(torchreid) Kaleighs-MacBook-Pro-2:deep-person-reid-master kaleighahara$ python save_features.py --image_dir 'datasets.1200_w40_solid/images/train_overfit'
/Users/kaleighahara/Desktop/Thesis/REPO/AnonymizePeople/deep-person-reid/torchreid/metrics/rank.py:12: UserWarning: Cython evaluation (very fast so highly recommended) is unavailable, now use python evaluation.
  ('Cython evaluation (very fast so highly recommended) is '
Successfully loaded imagenet pretrained weights from "/Users/kaleighahara/.cache/torch/checkpoints/osnet_a1x1_0_imagenet.pth"
** The following layers are discarded due to unmatched keys or layer size: ['classifier.weight', 'classifier.bias']
/Users/kaleighahara/anaconda3/envs/torchreid/lib/python3.7/site-packages/torch/nn/functional.py:718: UserWarning: Named tensors and all their associated APIs are an experimental feature and subject to change. Please do not use them for anything important until they are released as stable. (Triggered internally at /Users/distiller/project/conda/conda-bld/pytorch.1623459064158/work/c10/core/TensorImpl.h:1156.)
  return torch.max_pool2d(input, kernel_size, stride, padding, dilation, ceil_mode)
Model: osnet_a1x1_0
- params: 2,193,616
- flops: 978,878,352
Successfully loaded pretrained weights from "weights/osnet_a1x1_0_dukemtmcrid_256x128_amsgrad_ep90_lr0.0015_coslr_b64_fb10_softmax_labsmth_flip_jitter.pth"
** The following layers are discarded due to unmatched keys or layer size: ['classifier.weight', 'classifier.bias']

features_torch.Size([1200, 512])
SAVED FEATURES - saved_features_torchreid_datasets.1200_w40_solid_images_train_overfit.pkl
(torchreid) Kaleighs-MacBook-Pro-2:deep-person-reid-master kaleighahara$ python compare_features.py --image_dir 'saved_features_torchreid_datasets.1200_w40_solid_cropped_train.pkl' --image_dir_targets 'saved_features_torchreid_datasets.1200_w40_solid_images_train_overfit_10.pkl'
/Users/kaleighahara/Desktop/Thesis/REPO/AnonymizePeople/deep-person-reid/torchreid/metrics/rank.py:12: UserWarning: Cython evaluation (very fast so highly recommended) is unavailable, now use python evaluation.
  ('Cython evaluation (very fast so highly recommended) is '
Successfully loaded imagenet pretrained weights from "/Users/kaleighahara/.cache/torch/checkpoints/osnet_a1x1_0_imagenet.pth"
** The following layers are discarded due to unmatched keys or layer size: ['classifier.weight', 'classifier.bias']
/Users/kaleighahara/anaconda3/envs/torchreid/lib/python3.7/site-packages/torch/nn/functional.py:718: UserWarning: Named tensors and all their associated APIs are an experimental feature and subject to change. Please do not use them for anything important until they are released as stable. (Triggered internally at /Users/distiller/project/conda/conda-bld/pytorch.1623459064158/work/c10/core/TensorImpl.h:1156.)
  return torch.max_pool2d(input, kernel_size, stride, padding, dilation, ceil_mode)
Model: osnet_a1x1_0
- params: 2,193,616
- flops: 978,878,352
Successfully loaded pretrained weights from "weights/osnet_a1x1_0_dukemtmcrid_256x128_amsgrad_ep90_lr0.0015_coslr_b64_fb10_softmax_labsmth_flip_jitter.pth"
** The following layers are discarded due to unmatched keys or layer size: ['classifier.weight', 'classifier.bias']
features_torch.Size([1200, 512])
target_features_torch.Size([10, 512])

-----
LOWEST/HIGHEST COSINE DISTANCE
-----

Image pairs with lowest cosine distance
(('aachen_000005_000019_1', 'ulm_000091_000019_2'), 0.2506)
(('aachen_000005_000019_1', 'hamburg_000000_073758_10'), 0.2696)
(('aachen_000019_000019_14', 'jena_000056_000019_0'), 0.2718)
(('aachen_000005_000019_1', 'munster_000048_000019_6'), 0.2721)
(('aachen_000005_000019_1', 'frankfurt_000001_057954_40'), 0.2736)
(('aachen_000005_000019_1', 'hamburg_000000_073672_15'), 0.2766)
(('aachen_000005_000019_1', 'krefeld_000000_020033_4'), 0.2883)
(('aachen_000005_000019_1', 'strasbourg_000000_016024_20'), 0.2891)
(('aachen_000005_000019_1', 'munster_000049_000019_8'), 0.29)
(('aachen_000017_000019_14', 'munster_000142_000019_3'), 0.292)

Image pairs with highest cosine distance
(('aachen_000019_000019_9', 'hanover_000000_019672_0'), 0.6272)
(('aachen_000019_000019_14', 'hamburg_000000_070334_5'), 0.6279)
```

```
(('aachen_000019_000019_27', 'jena_000117_000019_0'), 0.6316)
(('aachen_000017_000019_17', 'jena_000082_000019_6'), 0.6375)
(('aachen_000019_000019_26', 'hamburg_000000_103075_54'), 0.6384)
(('aachen_000019_000019_26', 'frankfurt_000001_007973_4'), 0.6427)
(('aachen_000019_000019_9', 'hamburg_000000_098616_0'), 0.6432)
(('aachen_000019_000019_27', 'tubingen_000007_000019_4'), 0.6503)
(('aachen_000019_000019_9', 'hamburg_000000_103075_54'), 0.6534)
(('aachen_000019_000019_27', 'frankfurt_000001_007973_4'), 0.6541)

SAVED DISTANCES - torchreid_cosine_distance__saved_features_torchreid_datasets_1200_w40_solid_cropped_train__saved_features_torchreid_datasets_1200_w40_solid_images_train_overfit_10.pkl
(torchreid) Kaleighs-MacBook-Pro-2:deep-person-reid-master kaleighahara$ python compare_features.py --image_dir 'saved_features_torchreid_datasets_1200_w40_solid_cropped_train.pkl' --image_dir_targets 'saved_features_torchre
id_datasets_1200_w40_solid_images_train_overfit.pkl'
/Users/kaleighahara/Desktop/Thesis/REPO/AnonymizePeople/deep-person-reid/torchreid/metrics/rank.py:12: UserWarning: Cython evaluation (very fast so highly recommended) is unavailable, now use python evaluation.
  'Cython evaluation (very fast so highly recommended) is '
Successfully loaded imagenet pretrained weights from "/Users/kaleighahara/.cache/torch/checkpoints/osnet_ain_x1_0_imagenet.pth"
** The following layers are discarded due to unmatched keys or layer size: ['classifier.weight', 'classifier.bias']
/Users/kaleighahara/anaconda3/envs/torchreid/lib/python3.7/site-packages/torch/nn/functional.py:718: UserWarning: Named tensors and all their associated APIs are an experimental feature and subject to change. Please do not u
se them for anything important until they are released as stable. (Triggered internally at /Users/distiller/project/conda/conda-bld/pytorch_1623459064158/work/c10/core/TensorImpl.h:1156.)
  return torch.max_pool2d(input, kernel_size, stride, padding, dilation, ceil_mode)
Model: osnet_ain_x1_0
- params: 2,193,616
- flops: 978,878,352
Successfully loaded pretrained weights from "weights/osnet_ain_x1_0_dukemtmcrid_256x128_omsgrad_ep90_lr0.0015_cosl_r_b64_fb10_softmax_labsmth_flip_jitter.pth"
** The following layers are discarded due to unmatched keys or layer size: ['classifier.weight', 'classifier.bias']
features torch.Size([1200, 512])
target_features torch.Size([1200, 512])

-----
LOWEST/HIGHEST COSINE DISTANCE
-----

Image pairs with lowest cosine distance
(('strasbourg_000000_018358_1', 'frankfurt_000000_020215_5'), 0.1371)
(('strasbourg_000000_018358_1', 'cologne_000148_000019_3'), 0.149)
(('frankfurt_000000_020215_5', 'frankfurt_000000_020215_5'), 0.1637)
(('erfurt_000050_000019_4', 'frankfurt_000000_020215_5'), 0.1676)
(('krefeld_000000_017042_2', 'krefeld_000000_017042_2'), 0.1698)
(('hanover_000000_028202_2', 'hanover_000000_028202_1'), 0.1799)
(('tubingen_000032_000019_2', 'frankfurt_000000_020215_5'), 0.181)
(('strasbourg_000000_018358_1', 'zurich_000078_000019_4'), 0.1831)
(('erfurt_000050_000019_4', 'cologne_000148_000019_3'), 0.1861)
(('tubingen_000032_000019_2', 'tubingen_000032_000019_2'), 0.1866)

Image pairs with highest cosine distance
(('hanover_000000_040221_14', 'strasbourg_000000_029179_21'), 0.6878)
(('weimar_000033_000019_7', 'strasbourg_000000_015764_6'), 0.6886)
(('frankfurt_000001_023769_2', 'erfurt_000083_000019_3'), 0.6902)
(('frankfurt_000001_023769_2', 'hanover_000000_040221_7'), 0.6909)
(('hanover_000000_040221_14', 'bremen_000220_000019_5'), 0.6915)
(('hanover_000000_040221_14', 'zurich_000003_000019_5'), 0.6924)
(('hanover_000000_040221_14', 'darmstadt_000023_000019_9'), 0.6952)
(('zurich_000067_000019_6', 'hanover_000000_040221_14'), 0.6984)
(('weimar_000028_000019_8', 'ulm_000014_000019_6'), 0.7052)
(('weimar_000028_000019_8', 'strasbourg_000000_015764_6'), 0.7097)

SAVED DISTANCES - torchreid_cosine_distance__saved_features_torchreid_datasets_1200_w40_solid_cropped_train__saved_features_torchreid_datasets_1200_w40_solid_images_train_overfit.pkl
(torchreid) Kaleighs-MacBook-Pro-2:deep-person-reid-master kaleighahara$ python compare_features.py --image_dir 'saved_features_torchreid_datasets_1200_w40_solid_cropped_train.pkl' --image_dir_targets 'datasets_1200_w40_solid
_images/selected_crop'
/Users/kaleighahara/Desktop/Thesis/REPO/AnonymizePeople/deep-person-reid/torchreid/metrics/rank.py:12: UserWarning: Cython evaluation (very fast so highly recommended) is unavailable, now use python evaluation.
  'Cython evaluation (very fast so highly recommended) is '
Successfully loaded imagenet pretrained weights from "/Users/kaleighahara/.cache/torch/checkpoints/osnet_ain_x1_0_imagenet.pth"
** The following layers are discarded due to unmatched keys or layer size: ['classifier.weight', 'classifier.bias']
/Users/kaleighahara/anaconda3/envs/torchreid/lib/python3.7/site-packages/torch/nn/functional.py:718: UserWarning: Named tensors and all their associated APIs are an experimental feature and subject to change. Please do not u
se them for anything important until they are released as stable. (Triggered internally at /Users/distiller/project/conda/conda-bld/pytorch_1623459064158/work/c10/core/TensorImpl.h:1156.)
  return torch.max_pool2d(input, kernel_size, stride, padding, dilation, ceil_mode)
Model: osnet_ain_x1_0
- params: 2,193,616
- flops: 978,878,352
Successfully loaded pretrained weights from "weights/osnet_ain_x1_0_dukemtmcrid_256x128_omsgrad_ep90_lr0.0015_cosl_r_b64_fb10_softmax_labsmth_flip_jitter.pth"
** The following layers are discarded due to unmatched keys or layer size: ['classifier.weight', 'classifier.bias']
first five target_image_files []
features torch.Size([1200, 512])
^CTraceback (most recent call last):
  File "compare_features.py", line 233, in <module>
    main()
  File "compare_features.py", line 172, in main
    cd[(target_img, img)] = round(cos_dist.item(), 4)
KeyboardInterrupt
(torchreid) Kaleighs-MacBook-Pro-2:deep-person-reid-master kaleighahara$ python compare_features.py --image_dir 'saved_features_torchreid_datasets_1200_w40_solid_cropped_train.pkl' --image_dir_targets 'datasets_1200_w40_solid
_images/selected_cropped'
/Users/kaleighahara/Desktop/Thesis/REPO/AnonymizePeople/deep-person-reid/torchreid/metrics/rank.py:12: UserWarning: Cython evaluation (very fast so highly recommended) is unavailable, now use python evaluation.
  'Cython evaluation (very fast so highly recommended) is '
Successfully loaded imagenet pretrained weights from "/Users/kaleighahara/.cache/torch/checkpoints/osnet_ain_x1_0_imagenet.pth"
** The following layers are discarded due to unmatched keys or layer size: ['classifier.weight', 'classifier.bias']
/Users/kaleighahara/anaconda3/envs/torchreid/lib/python3.7/site-packages/torch/nn/functional.py:718: UserWarning: Named tensors and all their associated APIs are an experimental feature and subject to change. Please do not u
se them for anything important until they are released as stable. (Triggered internally at /Users/distiller/project/conda/conda-bld/pytorch_1623459064158/work/c10/core/TensorImpl.h:1156.)
  return torch.max_pool2d(input, kernel_size, stride, padding, dilation, ceil_mode)
Model: osnet_ain_x1_0
- params: 2,193,616
- flops: 978,878,352
Successfully loaded pretrained weights from "weights/osnet_ain_x1_0_dukemtmcrid_256x128_omsgrad_ep90_lr0.0015_cosl_r_b64_fb10_softmax_labsmth_flip_jitter.pth"
** The following layers are discarded due to unmatched keys or layer size: ['classifier.weight', 'classifier.bias']
first five target_image_files []
features torch.Size([1200, 512])
^CTraceback (most recent call last):
  File "compare_features.py", line 233, in <module>
    main()
  File "compare_features.py", line 171, in main
    cos_dist = metrics.compute_distance_matrix(target_feat, image_feat, metric='cosine')
  File "/Users/kaleighahara/Desktop/Thesis/REPO/AnonymizePeople/deep-person-reid/torchreid/metrics/distance.py", line 39, in compute_distance_matrix
    distmat = cosine_distance(input1, input2)
  File "/Users/kaleighahara/Desktop/Thesis/REPO/AnonymizePeople/deep-person-reid/torchreid/metrics/distance.py", line 79, in cosine_distance
    distmat = 1 - torch.mm(input1_normmed, input2_normmed.t())
KeyboardInterrupt
(torchreid) Kaleighs-MacBook-Pro-2:deep-person-reid-master kaleighahara$ python compare_features.py --image_dir 'saved_features_torchreid_datasets_1200_w40_solid_cropped_train.pkl' --image_dir_targets 'datasets_1200_w40_solid
_images/select_cropped'
/Users/kaleighahara/Desktop/Thesis/REPO/AnonymizePeople/deep-person-reid/torchreid/metrics/rank.py:12: UserWarning: Cython evaluation (very fast so highly recommended) is unavailable, now use python evaluation.
  'Cython evaluation (very fast so highly recommended) is '
Successfully loaded imagenet pretrained weights from "/Users/kaleighahara/.cache/torch/checkpoints/osnet_ain_x1_0_imagenet.pth"
** The following layers are discarded due to unmatched keys or layer size: ['classifier.weight', 'classifier.bias']
/Users/kaleighahara/anaconda3/envs/torchreid/lib/python3.7/site-packages/torch/nn/functional.py:718: UserWarning: Named tensors and all their associated APIs are an experimental feature and subject to change. Please do not u
se them for anything important until they are released as stable. (Triggered internally at /Users/distiller/project/conda/conda-bld/pytorch_1623459064158/work/c10/core/TensorImpl.h:1156.)
  return torch.max_pool2d(input, kernel_size, stride, padding, dilation, ceil_mode)
Model: osnet_ain_x1_0
- params: 2,193,616
- flops: 978,878,352
Successfully loaded pretrained weights from "weights/osnet_ain_x1_0_dukemtmcrid_256x128_omsgrad_ep90_lr0.0015_cosl_r_b64_fb10_softmax_labsmth_flip_jitter.pth"
** The following layers are discarded due to unmatched keys or layer size: ['classifier.weight', 'classifier.bias']
first five target_image_files ['datasets_1200_w40_solid_images/select_cropped/frankfurt_000001_048654_2.png', 'datasets_1200_w40_solid_images/select_cropped/aachen_000048_000019_3.png', 'datasets_1200_w40_solid_images/select_cropped/erfurt_000050_000019_4.png', 'datasets_1200_w40_solid_images/select_cropped/erfurt_000011_000019_2.png']
features torch.Size([1200, 512])
target_features torch.Size([109, 512])

-----
LOWEST/HIGHEST COSINE DISTANCE
-----

Image pairs with lowest cosine distance
(('frankfurt_000001_057954_0', 'frankfurt_000001_057954_0'), 0.0885)
(('frankfurt_000001_010600_1', 'frankfurt_000001_010600_1'), 0.0962)
(('aachen_000111_000019_19', 'aachen_000111_000019_19'), 0.0974)
(('jena_000000_000019_1', 'jena_000000_000019_1'), 0.1035)
(('jena_000027_000019_7', 'jena_000027_000019_7'), 0.1043)
(('bremen_000257_000019_3', 'bremen_000257_000019_3'), 0.1084)
(('bremen_000208_000019_4', 'bremen_000208_000019_4'), 0.1252)
(('aachen_000019_000019_14', 'aachen_000019_000019_14'), 0.1259)
(('frankfurt_000001_007857_2', 'frankfurt_000001_007857_2'), 0.1274)
(('bremen_000261_000019_1', 'bremen_000261_000019_1'), 0.1292)

Image pairs with highest cosine distance
```

```
(('erfurt_000050_000019_4', 'aachen_000020_000019_8'), 0.6708)
(('frankfurt_000001_049770_14', 'stuttgart_000157_000019_1'), 0.6716)
(('erfurt_000050_000019_4', 'hamburg_000000_081299_11'), 0.6721)
(('erfurt_000050_000019_4', 'jena_000055_000019_4'), 0.6722)
(('jena_000021_000019_0', 'jena_000019_000019_0'), 0.6738)
(('dusseldorf_000045_000019_1', 'dusseldorf_000015_000019_0'), 0.6761)
(('erfurt_000050_000019_4', 'erfurt_000069_000019_4'), 0.6762)
(('jena_000027_000019_7', 'frankfurt_000000_020321_5'), 0.6782)
(('erfurt_000050_000019_4', 'weimar_000095_000019_2'), 0.6799)
(('erfurt_000050_000019_4', 'jena_000019_000019_0'), 0.6987)

SAVED DISTANCES - torchreid_cosine_distance__saved_features_torchreid_datasets_1200_w40_solid_cropped_train_datasets_1200_w40_solid_images_select_cropped.pkl
(torchreid) Kaleighs-MacBook-Pro-2:deep-person-reid-master kaleighahara$
(torchreid) Kaleighs-MacBook-Pro-2:deep-person-reid-master kaleighahara$
(torchreid) Kaleighs-MacBook-Pro-2:deep-person-reid-master kaleighahara$ python crop_images.py --image_dir 'datasets_1200_w40_solid/images/test_overfit' --bbox_dir 'datasets_1200_w40_solid/bbox/train' --ignore_img_suffix '_fake_B'
CROP ERROR: cologne_000042_000019_5
Traceback (most recent call last):
  File "crop_images.py", line 260, in main
    img_cropped = crop_person(img, bbox_centers[img_name], bbox_data[img_name]) ## Crop image around person
KeyError: 'cologne_000042_000019_5'

During handling of the above exception, another exception occurred:

Traceback (most recent call last):
  File "crop_images.py", line 287, in <module>
    main()
  File "crop_images.py", line 274, in main
    print('cropped', img_cropped.size())
UnboundLocalError: local variable 'img_cropped' referenced before assignment
(torchreid) Kaleighs-MacBook-Pro-2:deep-person-reid-master kaleighahara$ python crop_images.py --image_dir 'datasets_1200_w40_solid/images/test_overfit' --bbox_dir 'datasets_1200_w40_solid/bbox/test' --ignore_img_suffix '_fake_B'
(torchreid) Kaleighs-MacBook-Pro-2:deep-person-reid-master kaleighahara$ python crop_images.py --image_dir 'datasets_1200_w40_solid/images/test_256res' --bbox_dir 'datasets_1200_w40_solid/bbox/test' --ignore_img_suffix '_fake_B'
(torchreid) Kaleighs-MacBook-Pro-2:deep-person-reid-master kaleighahara$ python compare_features.py --image_dir 'saved_features_torchreid_datasets_1200_w40_solid_cropped_train.pkl' --image_dir_targets 'datasets_1200_w40_solid/images/test_overfit/cropped'
/Users/kaleighahara/Desktop/Thesis/REPO/AnonymizePeople/anonymity-metric-deep-person-reid/torchreid/metrics/rank.py:12: UserWarning: Cython evaluation (very fast so highly recommended) is unavailable, now use python evaluation.
  (Cython evaluation (very fast so highly recommended) is '
Successfully loaded imagenet pretrained weights from "/Users/kaleighahara/.cache/torch/checkpoints/osnet_ain_x1_0_imagenet.pth"
** The following layers are discarded due to unmatched keys or layer size: ['classifier.weight', 'classifier.bias']
/Users/kaleighahara/anconda3/envs/torchreid/lib/python3.7/site-packages/torch/nn/functional.py:718: UserWarning: Named tensors and all their associated APIs are an experimental feature and subject to change. Please do not use them for anything important until they are released as stable. (Triggered internally at /Users/distiller/project/conda/conda-bld/pytorch_1623459064158/work/c10/core/TensorImpl.h:1156.)
  return torch.max_pool2d(input, kernel_size, stride, padding, dilation, ceil_mode)
Model: osnet_ain_x1_0
- params: 2,193,616
- flops: 978,878,352
Successfully loaded pretrained weights from "weights/osnet_ain_x1_0_dukemtmcrid_256x128_omsgrad_ep90_lr0.0015_coslr_b64_fb10_softmax_labsmth_flip_jitter.pth"
** The following layers are discarded due to unmatched keys or layer size: ['classifier.weight', 'classifier.bias']
Traceback (most recent call last):
  File "compare_features.py", line 233, in <module>
    main()
  File "compare_features.py", line 37, in main
    with open(opts.image_dir, 'rb') as f:
FileNotFoundError: [Errno 2] No such file or directory: 'saved_features_torchreid_datasets_1200_w40_solid_cropped_train.pkl'
(torchreid) Kaleighs-MacBook-Pro-2:deep-person-reid-master kaleighahara$ python compare_features.py --image_dir 'saved_features_torchreid_datasets_1200_w40_solid_cropped_train.pkl' --image_dir_targets 'datasets_1200_w40_solid/images/test_overfit/cropped'
/Users/kaleighahara/Desktop/Thesis/REPO/AnonymizePeople/anonymity-metric-deep-person-reid/torchreid/metrics/rank.py:12: UserWarning: Cython evaluation (very fast so highly recommended) is unavailable, now use python evaluation.
  (Cython evaluation (very fast so highly recommended) is '
Successfully loaded imagenet pretrained weights from "/Users/kaleighahara/.cache/torch/checkpoints/osnet_ain_x1_0_imagenet.pth"
** The following layers are discarded due to unmatched keys or layer size: ['classifier.weight', 'classifier.bias']
/Users/kaleighahara/anconda3/envs/torchreid/lib/python3.7/site-packages/torch/nn/functional.py:718: UserWarning: Named tensors and all their associated APIs are an experimental feature and subject to change. Please do not use them for anything important until they are released as stable. (Triggered internally at /Users/distiller/project/conda/conda-bld/pytorch_1623459064158/work/c10/core/TensorImpl.h:1156.)
  return torch.max_pool2d(input, kernel_size, stride, padding, dilation, ceil_mode)
Model: osnet_ain_x1_0
- params: 2,193,616
- flops: 978,878,352
Successfully loaded pretrained weights from "weights/osnet_ain_x1_0_dukemtmcrid_256x128_omsgrad_ep90_lr0.0015_coslr_b64_fb10_softmax_labsmth_flip_jitter.pth"
** The following layers are discarded due to unmatched keys or layer size: ['classifier.weight', 'classifier.bias']
first five target_image_files ['datasets_1200_w40_solid/images/test_overfit/cropped/cologne_000042_000019_5.png', 'datasets_1200_w40_solid/images/test_overfit/cropped/bremen_000235_000019_0.png']
features_torch.Size([1200, 512])
target_features_torch.Size([3, 512])

-----
LOWEST/HIGHEST COSINE DISTANCE
-----

Image pairs with lowest cosine distance
(('bremen_000235_000019_0', 'aachen_000113_000019_5'), 0.2322)
(('bremen_000235_000019_0', 'stuttgart_000184_000019_4'), 0.2343)
(('bremen_000235_000019_0', 'cologne_000134_000019_2'), 0.2597)
(('cologne_000042_000019_5', 'krefeld_000000_018004_3'), 0.2699)
(('bremen_000235_000019_0', 'bremen_000257_000019_5'), 0.2807)
(('bremen_000235_000019_0', 'bremen_000017_000019_10'), 0.2835)
(('cologne_000042_000019_5', 'stuttgart_000102_000019_6'), 0.2848)
(('bremen_000235_000019_0', 'weimar_000055_000019_1'), 0.3007)
(('cologne_000042_000019_5', 'strasbourg_000001_052050_32'), 0.302)
(('bremen_000235_000019_0', 'jena_000051_000019_10'), 0.3099)

Image pairs with highest cosine distance
(('erfurt_000070_000019_4', 'frankfurt_000001_021825_4'), 0.6091)
(('cologne_000042_000019_5', 'hamburg_000000_103075_54'), 0.6093)
(('cologne_000042_000019_5', 'strasbourg_000000_029339_15'), 0.6108)
(('erfurt_000070_000019_4', 'strasbourg_000001_060173_0'), 0.6121)
(('bremen_000235_000019_0', 'munster_000036_000019_0'), 0.6124)
(('cologne_000042_000019_5', 'dusseldorf_000176_000019_8'), 0.614)
(('cologne_000042_000019_5', 'hanover_000000_008200_13'), 0.6172)
(('cologne_000042_000019_5', 'strasbourg_000000_026573_13'), 0.6207)
(('cologne_000042_000019_5', 'hamburg_000000_066988_0'), 0.6339)
(('cologne_000042_000019_5', 'dusseldorf_000015_000019_0'), 0.651)

SAVED DISTANCES - torchreid_cosine_distance__saved_features_torchreid_datasets_1200_w40_solid_cropped_train_datasets_1200_w40_solid_images_test_overfit_cropped.pkl
(torchreid) Kaleighs-MacBook-Pro-2:deep-person-reid-master kaleighahara$ python compare_features.py --image_dir 'saved_features_torchreid_datasets_1200_w40_solid_cropped_train.pkl' --image_dir_targets 'datasets_1200_w40_solid/images/test_256res/cropped'
/Users/kaleighahara/Desktop/Thesis/REPO/AnonymizePeople/anonymity-metric-deep-person-reid/torchreid/metrics/rank.py:12: UserWarning: Cython evaluation (very fast so highly recommended) is unavailable, now use python evaluation.
  (Cython evaluation (very fast so highly recommended) is '
Successfully loaded imagenet pretrained weights from "/Users/kaleighahara/.cache/torch/checkpoints/osnet_ain_x1_0_imagenet.pth"
** The following layers are discarded due to unmatched keys or layer size: ['classifier.weight', 'classifier.bias']
/Users/kaleighahara/anconda3/envs/torchreid/lib/python3.7/site-packages/torch/nn/functional.py:718: UserWarning: Named tensors and all their associated APIs are an experimental feature and subject to change. Please do not use them for anything important until they are released as stable. (Triggered internally at /Users/distiller/project/conda/conda-bld/pytorch_1623459064158/work/c10/core/TensorImpl.h:1156.)
  return torch.max_pool2d(input, kernel_size, stride, padding, dilation, ceil_mode)
Model: osnet_ain_x1_0
- params: 2,193,616
- flops: 978,878,352
Successfully loaded pretrained weights from "weights/osnet_ain_x1_0_dukemtmcrid_256x128_omsgrad_ep90_lr0.0015_coslr_b64_fb10_softmax_labsmth_flip_jitter.pth"
** The following layers are discarded due to unmatched keys or layer size: ['classifier.weight', 'classifier.bias']
first five target_image_files ['datasets_1200_w40_solid/images/test_256res/cropped/aachen_000024_000019_2.png', 'datasets_1200_w40_solid/images/test_256res/cropped/aachen_000154_000019_0.png', 'datasets_1200_w40_solid/images/test_256res/cropped/aachen_000154_000019_1.png', 'datasets_1200_w40_solid/images/test_256res/cropped/bremen_000176_000019_9.png']
features_torch.Size([1200, 512])
target_features_torch.Size([9, 512])

TARGET: bremen_000028_000019_2
Image pairs with lowest cosine distance
[['strasbourg_000000_017283_1', 0.2809], ('frankfurt_000001_025512_4', 0.3002), ('zurich_000059_000019_7', 0.3008), ('monchengladbach_000000_007695_2', 0.3047), ('hamburg_000000_022524_4', 0.3117), ('uim_000092_000019_2', 0.3216)]

TARGET: aachen_000024_000019_2
Image pairs with lowest cosine distance
[['weimar_000038_000019_10', 0.2542], ('aachen_000020_000019_8', 0.3138), ('hamburg_000000_048138_2', 0.3221), ('strasbourg_000000_030706_14', 0.325), ('munster_000035_000019_1', 0.3306), ('cologne_000137_000019_2', 0.3315)]

TARGET: aachen_000154_000019_0
Image pairs with lowest cosine distance
[['munster_000060_000019_0', 0.1642], ('aachen_000020_000019_7', 0.199), ('munster_000062_000019_16', 0.2358), ('tubingen_000069_000019_6', 0.2387), ('hamburg_000000_053776_17', 0.2404), ('munster_000029_000019_0', 0.2406)]

TARGET: aachen_000154_000019_1
Image pairs with lowest cosine distance
[['munster_000060_000019_0', 0.2341], ('tubingen_000029_000019_3', 0.249), ('hamburg_000000_045704_39', 0.264), ('hanover_000000_046398_3', 0.266), ('stuttgart_000102_000019_6', 0.2771), ('frankfurt_000001_061763_0', 0.2811)]
```

]

TARGET: bremen_000176_000019_9
Image pairs with lowest cosine distance
[('bachum_000000_003674_1', 0.2593), ('jena_000082_000019_12', 0.2595), ('aachen_000020_000019_7', 0.2676), ('tubingen_000069_000019_5', 0.2704), ('bremen_000201_000019_8', 0.2861), ('munster_000050_000019_8', 0.2954)]

TARGET: zurich_000087_000019_7
Image pairs with lowest cosine distance
[('strasbourg_000000_007441_13', 0.2854), ('erfurt_000071_000019_3', 0.2997), ('zurich_000001_000019_0', 0.3072), ('weimar_000055_000019_0', 0.3103), ('weimar_000026_000019_2', 0.3133), ('tubingen_000059_000019_4', 0.3143)]

TARGET: cologne_000003_000019_3
Image pairs with lowest cosine distance
[('hamburg_000048_000019_3', 0.2668), ('hanover_000000_031144_0', 0.2789), ('weimar_000096_000019_9', 0.2801), ('cologne_000134_000019_2', 0.2803), ('darmstadt_000043_000019_2', 0.2805), ('munster_000046_000019_3', 0.2843)]

TARGET: frankfurt_000000_001016_1
Image pairs with lowest cosine distance
[('aachen_000000_054850_8', 0.2295), ('krefeld_000000_023698_2', 0.2548), ('jena_000060_000019_1', 0.2583), ('weimar_000093_000019_9', 0.2651), ('stuttgart_000072_000019_2', 0.2799), ('jena_000000_000019_1', 0.3003)]

TARGET: bremen_000314_000019_9
Image pairs with lowest cosine distance
[('weimar_000025_000019_1', 0.2242), ('ulm_000092_000019_2', 0.2257), ('strasbourg_000000_007441_13', 0.2394), ('ulm_000053_000019_3', 0.2601), ('stuttgart_000180_000019_26', 0.2639), ('hamburg_000000_047057_34', 0.2829)]

LOWEST/HIGHEST COSINE DISTANCE

Image pairs with lowest cosine distance
(('aachen_000154_000019_0', 'munster_000060_000019_0'), 0.1642)
(('aachen_000154_000019_0', 'aachen_000020_000019_7'), 0.199)
(('bremen_000314_000019_9', 'weimar_000025_000019_1'), 0.2242)
(('bremen_000314_000019_9', 'ulm_000092_000019_2'), 0.2257)
(('frankfurt_000000_001016_1', 'hamburg_000000_054850_8'), 0.2295)
(('aachen_000154_000019_1', 'munster_000060_000019_0'), 0.2341)
(('aachen_000154_000019_0', 'munster_000062_000019_16'), 0.2358)
(('aachen_000154_000019_0', 'tubingen_000069_000019_6'), 0.2387)
(('bremen_000314_000019_9', 'strasbourg_000000_007441_13'), 0.2394)
(('aachen_000154_000019_0', 'hamburg_000000_053776_17'), 0.2404)

Image pairs with highest cosine distance
(('zurich_000087_000019_7', 'hamburg_000000_105123_2'), 0.6271)
(('zurich_000087_000019_7', 'hanover_000000_040221_14'), 0.6292)
(('zurich_000087_000019_7', 'hamburg_000000_103075_54'), 0.6296)
(('aachen_000024_000019_2', 'weimar_000075_000019_4'), 0.6366)
(('aachen_000024_000019_2', 'frankfurt_000001_028335_1'), 0.6367)
(('bremen_000314_000019_9', 'bremen_000218_000019_3'), 0.6369)
(('aachen_000024_000019_2', 'dusseldorf_000015_000019_0'), 0.6372)
(('frankfurt_000000_001016_1', 'munster_000036_000019_0'), 0.6373)
(('aachen_000024_000019_2', 'munster_000042_000019_3'), 0.6387)
(('aachen_000024_000019_2', 'strasbourg_000000_029339_15'), 0.6567)

SAVED DISTANCES - torchreid.cosine_distance__saved_features_torchreid_datasets_1200_w40_solid_cropped_train_datasets_1200_w40_solid_images_test_256res_cropped.pkl
(torchreid) Kaleighs-MacBook-Pro-2:deep-person-reid-master kaleighhara\$ python compare_features.py --image_dir 'saved_features_torchreid_datasets_1200_w40_solid_cropped_train.pkl' --image_dir_targets 'datasets_1200_w40_solid_images/test_overfit/cropped'
/Users/kaleighhara/Desktop/Thesis/REPO/AnonymizePeople/anonymity-metric-deep-person-reid/torchreid/metrics/rank.py:12: UserWarning: Cython evaluation (very fast so highly recommended) is unavailable, now use python evaluation.
'Cython evaluation (very fast so highly recommended) is '
Successfully loaded imagenet pretrained weights from "/Users/kaleighhara/.cache/torch/checkpoints/osnet_ain_x1_0_imagenet.pth"
** The following layers are discarded due to unmatched keys or layer size: ['classifier.weight', 'classifier.bias']
/Users/kaleighhara/anaconda3/envs/torchreid/lib/python3.7/site-packages/torch/nm/functional.py:718: UserWarning: Named tensors and all their associated APIs are an experimental feature and subject to change. Please do not use them for anything important until they are released as stable. (Triggered internally at /Users/distiller/project/conda/conda-bld/pytorch_1623459064158/work/c10/core/TensorImpl.h:1156.)
return torch.max_pool2d(input, kernel_size, stride, padding, dilation, ceil_mode)
Model: osnet_ain_x1_0
- params: 2,193,616
- flops: 978,878,352
Successfully loaded pretrained weights from "weights/osnet_ain_x1_0_dukemtmcrid_256x128_amsgrad_ep90_lr0.0015_cosl_r_b64_fb10_softmax_labsmth_flip_jitter.pth"
** The following layers are discarded due to unmatched keys or layer size: ['classifier.weight', 'classifier.bias']
First five target_image_files ['datasets_1200_w40_solid_images/test_overfit/cropped/cologne_000042_000019_5.png', 'datasets_1200_w40_solid_images/test_overfit/cropped/bremen_000235_000019_0.png']
features_torch.Size([1200, 512])
target_features_torch.Size([3, 512])

TARGET: cologne_000042_000019_5
Image pairs with lowest cosine distance
[('krefeld_000000_018004_3', 0.2699), ('stuttgart_000102_000019_6', 0.2848), ('strasbourg_000001_052050_32', 0.302), ('strasbourg_000000_017283_1', 0.3119), ('hanover_000000_024136_0', 0.3128), ('hamburg_000000_024251_7', 0.3141)]

TARGET: erfurt_000070_000019_4
Image pairs with lowest cosine distance
[('tubingen_000023_000019_0', 0.3195), ('tubingen_000077_000019_0', 0.3217), ('stuttgart_000033_000019_0', 0.3297), ('hamburg_000000_078579_11', 0.3344), ('strasbourg_000000_025907_1', 0.3351), ('hanover_000000_053027_0', 0.3382)]

TARGET: bremen_000235_000019_0
Image pairs with lowest cosine distance
[('aachen_000113_000019_5', 0.2322), ('stuttgart_000184_000019_4', 0.2343), ('cologne_000134_000019_2', 0.2597), ('bremen_000257_000019_5', 0.2807), ('bremen_000017_000019_10', 0.2835), ('weimar_000055_000019_1', 0.3007)]

LOWEST/HIGHEST COSINE DISTANCE

Image pairs with lowest cosine distance
(('bremen_000235_000019_0', 'aachen_000113_000019_5'), 0.2322)
(('bremen_000235_000019_0', 'stuttgart_000184_000019_4'), 0.2343)
(('bremen_000235_000019_0', 'cologne_000134_000019_2'), 0.2597)
(('cologne_000042_000019_5', 'krefeld_000000_018004_3'), 0.2699)
(('bremen_000235_000019_0', 'bremen_000257_000019_5'), 0.2807)
(('bremen_000235_000019_0', 'bremen_000017_000019_10'), 0.2835)
(('cologne_000042_000019_5', 'stuttgart_000102_000019_6'), 0.2848)
(('bremen_000235_000019_0', 'weimar_000055_000019_1'), 0.3007)
(('cologne_000042_000019_5', 'strasbourg_000001_052050_32'), 0.302)
(('bremen_000235_000019_0', 'jena_000051_000019_10'), 0.3099)

Image pairs with highest cosine distance
(('erfurt_000070_000019_4', 'frankfurt_000001_021825_4'), 0.6091)
(('cologne_000042_000019_5', 'hamburg_000000_103075_54'), 0.6093)
(('cologne_000042_000019_5', 'strasbourg_000000_029339_15'), 0.6108)
(('erfurt_000070_000019_4', 'strasbourg_000001_060173_0'), 0.6121)
(('bremen_000235_000019_0', 'munster_000036_000019_0'), 0.6124)
(('cologne_000042_000019_5', 'dusseldorf_000176_000019_8'), 0.614)
(('cologne_000042_000019_5', 'hanover_000000_008200_13'), 0.6172)
(('cologne_000042_000019_5', 'strasbourg_000000_026575_13'), 0.6207)
(('cologne_000042_000019_5', 'hamburg_000000_066988_0'), 0.6339)
(('cologne_000042_000019_5', 'dusseldorf_000015_000019_0'), 0.651)

SAVED DISTANCES - torchreid.cosine_distance__saved_features_torchreid_datasets_1200_w40_solid_cropped_train_datasets_1200_w40_solid_images_test_overfit_cropped.pkl
(torchreid) Kaleighs-MacBook-Pro-2:deep-person-reid-master kaleighhara\$ python compare_features.py --image_dir 'datasets_1200_w40_solid_images/test_256res/cropped' --image_dir_targets 'datasets_1200_w40_solid_images/test_256res/cropped'
/Users/kaleighhara/Desktop/Thesis/REPO/AnonymizePeople/anonymity-metric-deep-person-reid/torchreid/metrics/rank.py:12: UserWarning: Cython evaluation (very fast so highly recommended) is unavailable, now use python evaluation.
'Cython evaluation (very fast so highly recommended) is '
Successfully loaded imagenet pretrained weights from "/Users/kaleighhara/.cache/torch/checkpoints/osnet_ain_x1_0_imagenet.pth"
** The following layers are discarded due to unmatched keys or layer size: ['classifier.weight', 'classifier.bias']
/Users/kaleighhara/anaconda3/envs/torchreid/lib/python3.7/site-packages/torch/nm/functional.py:718: UserWarning: Named tensors and all their associated APIs are an experimental feature and subject to change. Please do not use them for anything important until they are released as stable. (Triggered internally at /Users/distiller/project/conda/conda-bld/pytorch_1623459064158/work/c10/core/TensorImpl.h:1156.)
return torch.max_pool2d(input, kernel_size, stride, padding, dilation, ceil_mode)
Model: osnet_ain_x1_0
- params: 2,193,616
- flops: 978,878,352
Successfully loaded pretrained weights from "weights/osnet_ain_x1_0_dukemtmcrid_256x128_amsgrad_ep90_lr0.0015_cosl_r_b64_fb10_softmax_labsmth_flip_jitter.pth"
** The following layers are discarded due to unmatched keys or layer size: ['classifier.weight', 'classifier.bias']
First five target_image_files ['datasets_1200_w40_solid_images/test_256res/cropped/aachen_000024_000019_2.png', 'datasets_1200_w40_solid_images/test_256res/cropped/aachen_000154_000019_0.png', 'datasets_1200_w40_solid_images/test_256res/cropped/aachen_000154_000019_1.png', 'datasets_1200_w40_solid_images/test_256res/cropped/bremen_000176_000019_9.png']
features_torch.Size([9, 512])
target_features_torch.Size([9, 512])

TARGET: bremen_000028_000019_2
Image pairs with lowest cosine distance
[('bremen_000028_000019_2', 0.0), ('bremen_000314_000019_9', 0.3142), ('frankfurt_000000_001016_1', 0.3729), ('cologne_000003_000019_3', 0.4346), ('zurich_000087_000019_7', 0.4387), ('aachen_000024_000019_2', 0.4497)]

TARGET: aachen_000024_000019_2