

```
from google.colab import drive
drive.mount('/content/drive/')

Drive already mounted at /content/drive/; to attempt to forcibly remount, call drive.mount("/content/drive/", force_remount=True).

# fill in the path in your Google Drive in the string below. Note: do not escape slashes or spaces
import os
datadir = "/content/drive/MyDrive/FilterCity/FilterAICity/jupyter-master/jupyter-master"
if not os.path.exists(datadir):
    !ln -s "/content/drive/MyDrive/FilterCity/FilterAICity/jupyter-master/jupyter-master" $datadir
os.chdir(datadir)
!pwd

/content/drive/MyDrive/FilterCity/FilterAICity/jupyter-master/jupyter-master

import cv2
import numpy as np
import os

cap= cv2.VideoCapture('AICity_Cam-1_Scene-1.mp4')
#cap = cv2.VideoCapture('AICity_Cam-1_Scene-1.mp4')

# try:
#     if not os.path.exists('FramesVideo2'):
#         os.makedirs('FramesVideo2')
# except OSError:
#     print ('Error while creating directory.')

currentFrame = 0
frame_array = []
# while (True):
while (True):
    success, frame = cap.read()
    if not success:
        break

    name = 'Frames_Cam-1_Scene-1-' + str(currentFrame) + '.jpg'
    print ('Creating           =' + name)

    cv2.imwrite(name, frame)
    frame_array.append(frame)
    img = cv2.imread(name)
    #print("shape is",img.shape)

    currentFrame += 1
```



```

Creating      =Frames_Cam-1_Scene-1-332.jpg
Creating      =Frames_Cam-1_Scene-1-333.jpg
Creating      =Frames_Cam-1_Scene-1-334.jpg
Creating      =Frames_Cam-1_Scene-1-335.jpg
Creating      =Frames_Cam-1_Scene-1-336.jpg
Creating      =Frames_Cam-1_Scene-1-337.jpg
Creating      =Frames_Cam-1_Scene-1-338.jpg
Creating      =Frames_Cam-1_Scene-1-339.jpg
Creating      =Frames_Cam-1_Scene-1-340.jpg
Creating      =Frames_Cam-1_Scene-1-341.jpg
Creating      =Frames_Cam-1_Scene-1-342.jpg
Creating      =Frames_Cam-1_Scene-1-343.jpg
Creating      =Frames_Cam-1_Scene-1-344.jpg
Creating      =Frames_Cam-1_Scene-1-345.jpg
Creating      =Frames_Cam-1_Scene-1-346.jpg
Creating      =Frames_Cam-1_Scene-1-347.jpg
Creating      =Frames_Cam-1_Scene-1-348.jpg
Creating      =Frames_Cam-1_Scene-1-349.jpg
Creating      =Frames_Cam-1_Scene-1-350.jpg
Creating      =Frames_Cam-1_Scene-1-351.jpg
Creating      =Frames_Cam-1_Scene-1-352.jpg
Creating      =Frames_Cam-1_Scene-1-353.jpg
Creating      =Frames_Cam-1_Scene-1-354.jpg
Creating      =Frames_Cam-1_Scene-1-355.jpg
Creating      =Frames_Cam-1_Scene-1-356.jpg
Creating      =Frames_Cam-1_Scene-1-357.jpg
Creating      =Frames_Cam-1_Scene-1-358.jpg
Creating      =Frames_Cam-1_Scene-1-359.jpg

```

```
# Plot an interactive visualization of the frame size of the input video.
```

```

input_viz='video_cutter2.mp4'
output!=ffprobe -hide_banner -v error -select_streams v:0 -show_frames {input_viz}

import pandas as pd
import numpy as np

def parseOutput(output_lines):
    frames = []
    current_frame = {}
    for line in output_lines:
        if line == '[/FRAME]':
            frames.append(current_frame)
            current_frame = {}
        elif line != '[/FRAME]':
            pair = line.split('=')
            current_frame[pair[0]] = pair[1]
    return frames

def countByFrameType(frames):
    count = {}
    for frame in frames:
        t = frame['pict_type']
        count[t] = (count[t] + 1) if t in count else 1
    return count

def toPandasDf(frames):
    dict_obj = {
        'frame index': range(len(frames)),
        'size (bytes)': [int(f['pkt_size']) for f in frames],
        'type': [f['pict_type'] for f in frames]
    }

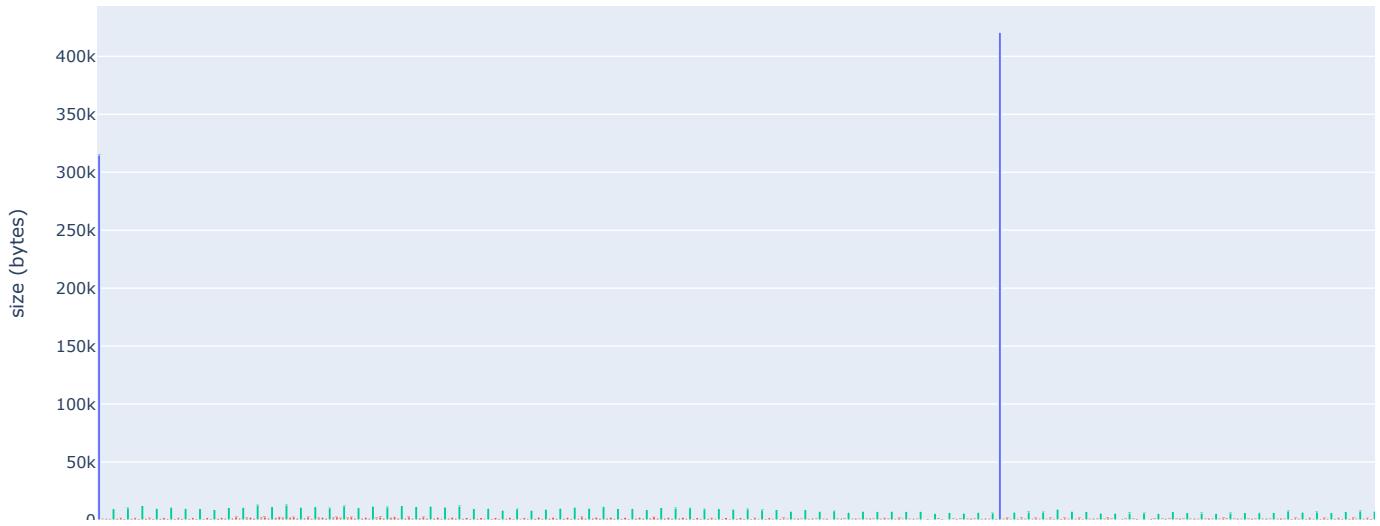
    return pd.DataFrame.from_dict(dict_obj)

frames = parseOutput(output)

import plotly.express as px
framesize_df = toPandasDf(frames)

fig = px.bar(framesize_df, x="frame index", y="size (bytes)", color="type")
fig.show()

```



```
import cv2
import numpy as np
import os

cap2 = cv2.VideoCapture('AICity_Cam-1_Scene-2.mp4')
#cap2 = cv2.VideoCapture('AICity_Cam-1_Scene-2.mp4')

# try:
#     if not os.path.exists('FramesVideo2'):
#         os.makedirs('FramesVideo2')
# except OSError:
#     print ('Error while creating directory.')

currentFrame_2 = 0
frame_array_2 = []
# while (True):
while (True):
    success, frame_2 = cap2.read()
    if not success:
        break

    name = 'Frames_Cam-1_Scene-2-' + str(currentFrame_2) + '.jpg'
    print ('Creating'           =' + name)

    cv2.imwrite(name, frame_2)
    frame_array_2.append(frame_2)
    img_2 = cv2.imread(name)
    #print("shape is",img.shape)

    currentFrame_2 += 1
```

```

Creating =Frames_Cam-1_Scene-2-321.jpg
Creating =Frames_Cam-1_Scene-2-322.jpg
Creating =Frames_Cam-1_Scene-2-323.jpg
Creating =Frames_Cam-1_Scene-2-324.jpg
Creating =Frames_Cam-1_Scene-2-325.jpg
Creating =Frames_Cam-1_Scene-2-326.jpg
Creating =Frames_Cam-1_Scene-2-327.jpg
Creating =Frames_Cam-1_Scene-2-328.jpg
Creating =Frames_Cam-1_Scene-2-329.jpg
Creating =Frames_Cam-1_Scene-2-330.jpg
Creating =Frames_Cam-1_Scene-2-331.jpg
Creating =Frames_Cam-1_Scene-2-332.jpg
Creating =Frames_Cam-1_Scene-2-333.jpg
Creating =Frames_Cam-1_Scene-2-334.jpg
Creating =Frames_Cam-1_Scene-2-335.jpg
Creating =Frames_Cam-1_Scene-2-336.jpg
Creating =Frames_Cam-1_Scene-2-337.jpg
Creating =Frames_Cam-1_Scene-2-338.jpg
Creating =Frames_Cam-1_Scene-2-339.jpg
Creating =Frames_Cam-1_Scene-2-340.jpg
Creating =Frames_Cam-1_Scene-2-341.jpg
Creating =Frames_Cam-1_Scene-2-342.jpg
Creating =Frames_Cam-1_Scene-2-343.jpg
Creating =Frames_Cam-1_Scene-2-344.jpg
Creating =Frames_Cam-1_Scene-2-345.jpg
Creating =Frames_Cam-1_Scene-2-346.jpg
Creating =Frames_Cam-1_Scene-2-347.jpg
Creating =Frames_Cam-1_Scene-2-348.jpg
Creating =Frames_Cam-1_Scene-2-349.jpg
Creating =Frames_Cam-1_Scene-2-350.jpg
Creating =Frames_Cam-1_Scene-2-351.jpg
Creating =Frames_Cam-1_Scene-2-352.jpg
Creating =Frames_Cam-1_Scene-2-353.jpg
Creating =Frames_Cam-1_Scene-2-354.jpg
Creating =Frames_Cam-1_Scene-2-355.jpg

```

```

frame_array_video_A=[]
frame_array_video_B=[]
def compare_images(imageA, imageB):

    first_frame = cv2.imread(imageA)
    next_frame = cv2.imread(imageB)
    imageA1 = cv2.cvtColor(first_frame, cv2.COLOR_BGR2GRAY)
    imageB1 = cv2.cvtColor(next_frame, cv2.COLOR_BGR2GRAY)
    mse = np.sum((imageA1.astype("float") - imageB1.astype("float")) ** 2)
    mse /= float(imageA1.shape[0] * imageA1.shape[1])

    ssim = metrics.structural_similarity(imageA1, imageB1, full=True)
    # print("Your SSIM value is", ssim[0])
    # print("Your mse value is", mse)

    # thresholds for mse and ssim are hyperparameters that are tuned based on several trials and experiments.
    if mse <= 3288.0 and ssim[0] >= 0.30:
        img=cv2.imread(imageA)
        img1=cv2.imread(imageB)
        frame_array_video_A.append(img)
        frame_array_video_B.append(img1)
        print("Your SSIM value is", ssim[0])
        print("Your mse value is", mse)
        print("Length of frame_array_A", len(frame_array_video_A))
        print("Length of frame_array_B", len(frame_array_video_B))
        #visualize which frames are being compared based on the mse and ssim values.
        fig = plt.figure("Compare")
        plt.suptitle("MSE: %.2f, SSIM: %.2f" % (mse, ssim[0]))

        ax = fig.add_subplot(1, 2, 1)
        plt.imshow(imageA1,cmap = plt.cm.gray)
        plt.axis("off")

        ax = fig.add_subplot(1, 2, 2)
        plt.imshow(imageB1,cmap = plt.cm.gray)
        plt.axis("off")
        plt.show()

    #     plt.show()
    #     return True    ## Use this when you dont want consecutive matching frames to be included
    # else:
    #     return False

#img = cv2.imread(imageB)

```

```
#frame_array_new.append(img)
# else:
#   frame_array_new.append(first_frame)
#   frame_array_new.append(next_frame)

import cv2
import numpy as np
import os
from skimage import measure
import matplotlib.pyplot as plt
from skimage import metrics
import skimage.measure as measure

for i in range(1,currentFrame-1):
    for k in range(1,currentFrame_2-1):
        p_name = "Frames_Cam-1_Scene-1-{}.jpg".format(i)
        nf_name = "Frames_Cam-1_Scene-2-{}.jpg".format(k)

        compare_images(p_name,nf_name)

    # if flag==True:
    #   break
    # p_name is imageA from Scene-1, nf_name is imageB from Scene-2
print("We are at frame- for first video", i) ## To track progress

## End of comparison and filtering, now sequence the filters together into a filtered version of the video
```

Your SSIM value is 0.3029199650396999

Your mse value is 3284.6825130208335

Length of frame\_array\_A 1

Length of frame\_array\_A 1

MSE: 3284.68, SSIM: 0.30



Your SSIM value is 0.30285189956813274

Your mse value is 3284.7563517554013

Length of frame\_array\_A 2

Length of frame\_array\_A 2

MSE: 3284.76, SSIM: 0.30



We are at frame- for first video 1

Your SSIM value is 0.30231654788827705

Your mse value is 3287.0376321373456

Length of frame\_array\_A 3

Length of frame\_array\_A 3

MSE: 3287.04, SSIM: 0.30



Your SSIM value is 0.30290842702748644

Your mse value is 3282.2469815779323

Length of frame\_array\_A 4

Length of frame\_array\_A 4

MSE: 3282.25, SSIM: 0.30





Your SSIM value is 0.30283022110509633

Your mse value is 3282.320357349537

Length of frame\_array\_A 5

Length of frame\_array\_A 5

MSE: 3282.32, SSIM: 0.30



Your SSIM value is 0.3026637990227573

Your mse value is 3286.9806447723768

Length of frame\_array\_A 6

Length of frame\_array\_A 6

MSE: 3286.98, SSIM: 0.30



We are at frame- for first video 2

Your SSIM value is 0.3025702448531416

Your mse value is 3286.381429398148

Length of frame\_array\_A 7

Length of frame\_array\_A 7

MSE: 3286.38, SSIM: 0.30



Your SSIM value is 0.30314269150019796

Your mse value is 3281.5833357445986

Length of frame\_array\_A 8

Length of frame\_array\_A 8

MSE: 3281.58, SSIM: 0.30



Your SSIM value is 0.3030641790152902

Your mse value is 3281.632839988426

Length of frame\_array\_A 9

Length of frame\_array\_A 9

MSE: 3281.63, SSIM: 0.30



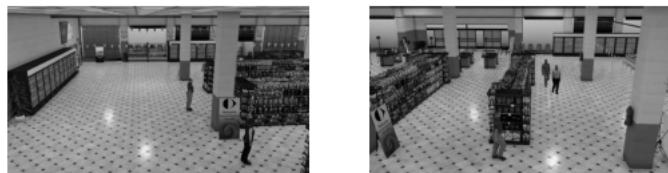
Your SSIM value is 0.30290313348781017

Your mse value is 3286.2304422260804

Length of frame\_array\_A 10

Length of frame\_array\_A 10

MSE: 3286.23, SSIM: 0.30



We are at frame- for first video 3

Your SSIM value is 0.302484373727073

Your mse value is 3284.619883294753

Length of frame\_array\_A 11

Length of frame\_array\_A 11

MSE: 3284.62, SSIM: 0.30



Your SSIM value is 0.30240667379395686

Your mse value is 3284.5273572530864

Length of frame\_array\_A 12

Length of frame\_array\_A 12

MSE: 3284.53, SSIM: 0.30



We are at frame- for first video 4  
Your SSIM value is 0.302857532473176

Your mse value is 3284.8924416473765

Length of frame\_array\_A 13

Length of frame\_array\_A 13

MSE: 3284.89, SSIM: 0.30



Your SSIM value is 0.3027768655134566

Your mse value is 3284.625150945216

Length of frame\_array\_A 14

Length of frame\_array\_A 14

MSE: 3284.63, SSIM: 0.30



We are at frame- for first video 5

Your SSIM value is 0.30259398861970155

Your mse value is 3287.6223336226853

Length of frame\_array\_A 15

Length of frame\_array\_A 15

MSE: 3287.62, SSIM: 0.30



Your SSIM value is 0.3025312027313729

Your mse value is 3287.2824628665126

Length of frame\_array\_A 16

Length of frame\_array\_A 16

MSE: 3287.28, SSIM: 0.30



We are at frame- for first video 6

We are at frame- for first video 7

We are at frame- for first video 8

We are at frame- for first video 9

We are at frame- for first video 10

Your SSIM value is 0.3027037851335442

Your mse value is 3287.3197014853395

Length of frame\_array\_A 17

Length of frame\_array\_A 17

MSE: 3287.32, SSIM: 0.30



Your SSIM value is 0.3026378258202962

Your mse value is 3286.6748789544754

Length of frame\_array\_A 18

Length of frame\_array\_A 18

MSE: 3286.67, SSIM: 0.30



We are at frame- for first video 11

Your SSIM value is 0.30247576016664235

Your mse value is 3284.629261188272

Length of frame\_array\_A 19

Length of frame\_array\_A 19

MSE: 3284.63, SSIM: 0.30



Your SSIM value is 0.3023999037644278

Your mse value is 3283.956579861111

Length of frame\_array\_A 20

Length of frame\_array\_A 20

MSE: 3283.96, SSIM: 0.30



Your SSIM value is 0.3022514062582317

Your mse value is 3287.684019097222

Length of frame\_array\_A 21

Length of frame\_array\_A 21

MSE: 3287.68, SSIM: 0.30



We are at frame- for first video 12

Your SSIM value is 0.3024296912474596

Your mse value is 3287.5708670910494

Length of frame\_array\_A 22

Length of frame\_array\_A 22

MSE: 3287.57, SSIM: 0.30



Your SSIM value is 0.3030389008080471

Your mse value is 3281.6461521026235

Length of frame\_array\_A 23

Length of frame\_array\_A 23

MSE: 3281.65, SSIM: 0.30



Your SSIM value is 0.3029618199909178

Your mse value is 3280.7733945794753

Length of frame\_array\_A 24

Length of frame\_array\_A 24

MSE: 3280.77, SSIM: 0.30



Your SSIM value is 0.3027924216294877

Your mse value is 3284.477795621142

Length of frame\_array\_A 25

Length of frame\_array\_A 25

MSE: 3284.48, SSIM: 0.30



We are at frame- for first video 13

Your SSIM value is 0.3027841058152555

Your mse value is 3286.486211419753

Length of frame\_array\_A 26

Length of frame\_array\_A 26

MSE: 3286.49, SSIM: 0.30



Your SSIM value is 0.3025759143677508

Your mse value is 3281.796837384259

Length of frame\_array\_A 27  
Length of frame\_array\_A 27

MSE: 3281.80, SSIM: 0.30



Your SSIM value is 0.30319084735548923

Your mse value is 3275.5326991705247

Length of frame\_array\_A 28

Length of frame\_array\_A 28

MSE: 3275.53, SSIM: 0.30



Your SSIM value is 0.30313539593686506

Your mse value is 3274.339106385031

Length of frame\_array\_A 29

Length of frame\_array\_A 29

MSE: 3274.34, SSIM: 0.30



Your SSIM value is 0.3029670322997475

Your mse value is 3277.8285759066357

Length of frame\_array\_A 30

Length of frame\_array\_A 30

MSE: 3277.83, SSIM: 0.30





Your SSIM value is 0.30261327203313815

Your mse value is 3283.30988908179

Length of frame\_array\_A 31

Length of frame\_array\_A 31

MSE: 3283.31, SSIM: 0.30



Your SSIM value is 0.30295573138811044

Your mse value is 3282.49675154321

Length of frame\_array\_A 32

Length of frame\_array\_A 32

MSE: 3282.50, SSIM: 0.30



Your SSIM value is 0.30274076154235136

Your mse value is 3284.0159177276237

Length of frame\_array\_A 33

Length of frame\_array\_A 33

MSE: 3284.02, SSIM: 0.30



Your SSIM value is 0.3027696038664958

Your mse value is 3285.4303650655866

Length of frame\_array\_A 34

Length of frame\_array\_A 34

MSE: 3285.43, SSIM: 0.30





Your SSIM value is 0.3026679314492289

Your mse value is 3286.414141589506

Length of frame\_array\_A 35

Length of frame\_array\_A 35

MSE: 3286.41, SSIM: 0.30



Your SSIM value is 0.30288191024921496

Your mse value is 3286.663753858025

Length of frame\_array\_A 36

Length of frame\_array\_A 36

MSE: 3286.66, SSIM: 0.30



Your SSIM value is 0.30296758756413245

Your mse value is 3287.790989583333

Length of frame\_array\_A 37

Length of frame\_array\_A 37

MSE: 3287.79, SSIM: 0.30



Your SSIM value is 0.3027159043254796

Your mse value is 3283.9922863618826

Length of frame\_array\_A 38

Length of frame\_array\_A 38

MSE: 3283.99, SSIM: 0.30



Your SSIM value is 0.3028985777759126

Your mse value is 3282.170831886574

Length of frame\_array\_A 39

Length of frame\_array\_A 39

MSE: 3282.17, SSIM: 0.30



Your SSIM value is 0.30280629162913086

Your mse value is 3286.328437982253

Length of frame\_array\_A 40

Length of frame\_array\_A 40

MSE: 3286.33, SSIM: 0.30



We are at frame- for first video 14

Your SSIM value is 0.3028798249610484

Your mse value is 3287.55787808642

Length of frame\_array\_A 41

Length of frame\_array\_A 41

MSE: 3287.56, SSIM: 0.30



Your SSIM value is 0.3032142297794844

Your mse value is 3278.6108280285493

Length of frame\_array\_A 42

Length of frame\_array\_A 42

MSE: 3278.61, SSIM: 0.30



Your SSIM value is 0.30301273004597

Your mse value is 3273.713671392747

Length of frame\_array\_A 43

Length of frame\_array\_A 43

MSE: 3273.71, SSIM: 0.30



Your SSIM value is 0.3036289519817877

Your mse value is 3267.1093721064813

Length of frame\_array\_A 44

Length of frame\_array\_A 44

MSE: 3267.11, SSIM: 0.30



Your SSIM value is 0.30356995026638506

Your mse value is 3265.6240528549383

Length of frame\_array\_A 45

Length of frame\_array\_A 45

MSE: 3265.62, SSIM: 0.30



Your SSIM value is 0.3034373264563777

Your mse value is 3268.7437692901235

Length of frame\_array\_A 46

```
Length of frame_array_A 46
```

MSE: 3268.74, SSIM: 0.30



Your SSIM value is 0.3030821738608314

Your mse value is 3274.1178043016976

Length of frame\_array\_A 47

Length of frame\_array\_A 47

MSE: 3274.12, SSIM: 0.30



Your SSIM value is 0.30342186037273916

Your mse value is 3273.221377797068

Length of frame\_array\_A 48

Length of frame\_array\_A 48

MSE: 3273.22, SSIM: 0.30



Your SSIM value is 0.3031919540816828

Your mse value is 3274.7107378472224

Length of frame\_array\_A 49

Length of frame\_array\_A 49

MSE: 3274.71, SSIM: 0.30





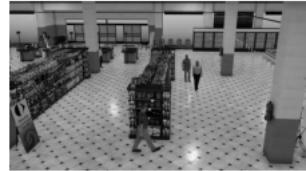
Your SSIM value is 0.3032204729429245

Your mse value is 3276.154268904321

Length of frame\_array\_A 50

Length of frame\_array\_A 50

MSE: 3276.15, SSIM: 0.30



Your SSIM value is 0.30314718296475623

Your mse value is 3277.084966724537

Length of frame\_array\_A 51

Length of frame\_array\_A 51

MSE: 3277.08, SSIM: 0.30



Your SSIM value is 0.3033834266671545

Your mse value is 3277.0869140625

Length of frame\_array\_A 52

Length of frame\_array\_A 52

MSE: 3277.09, SSIM: 0.30



Your SSIM value is 0.3034395774021074

Your mse value is 3278.0195635609566

Length of frame\_array\_A 53

Length of frame\_array\_A 53

MSE: 3278.02, SSIM: 0.30





Your SSIM value is 0.3032431369132813

Your mse value is 3278.2668836805556

Length of frame\_array\_A 54

Length of frame\_array\_A 54

MSE: 3278.27, SSIM: 0.30



Your SSIM value is 0.3029226132284163

Your mse value is 3282.1514139660494

Length of frame\_array\_A 55

Length of frame\_array\_A 55

MSE: 3282.15, SSIM: 0.30



Your SSIM value is 0.3030892179697774

Your mse value is 3283.740512635031

Length of frame\_array\_A 56

Length of frame\_array\_A 56

MSE: 3283.74, SSIM: 0.30



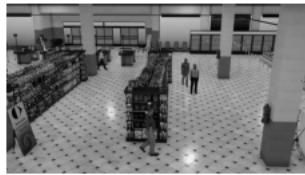
Your SSIM value is 0.3030627175654632

Your mse value is 3284.393315489969

Length of frame\_array\_A 57

Length of frame\_array\_A 57

MSE: 3284.39, SSIM: 0.30



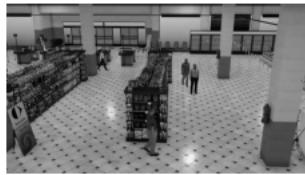
Your SSIM value is 0.30318964404485105

Your mse value is 3282.4841483410496

Length of frame\_array\_A 58

Length of frame\_array\_A 58

MSE: 3282.48, SSIM: 0.30



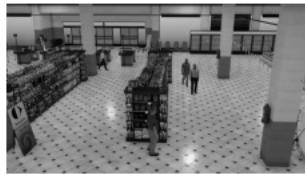
Your SSIM value is 0.30317914339298413

Your mse value is 3274.56833912037

Length of frame\_array\_A 59

Length of frame\_array\_A 59

MSE: 3274.57, SSIM: 0.30



Your SSIM value is 0.30329708329533234

Your mse value is 3273.152348572531

Length of frame\_array\_A 60

Length of frame\_array\_A 60

MSE: 3273.15, SSIM: 0.30



Your SSIM value is 0.3032464155221544

Your mse value is 3276.9823398919752

Length of frame\_array\_A 61

Length of frame\_array\_A 61

MSE: 3276.98, SSIM: 0.30



Your SSIM value is 0.3031983450711848

Your mse value is 3278.6542341820987

Length of frame\_array\_A 62

Length of frame\_array\_A 62

MSE: 3278.65, SSIM: 0.30



Your SSIM value is 0.30313745972953515

Your mse value is 3282.866679205247

Length of frame\_array\_A 63

Length of frame\_array\_A 63

MSE: 3282.87, SSIM: 0.30



Your SSIM value is 0.30353901713354087

Your mse value is 3284.270819830247

Length of frame\_array\_A 64

Length of frame\_array\_A 64

MSE: 3284.27, SSIM: 0.30



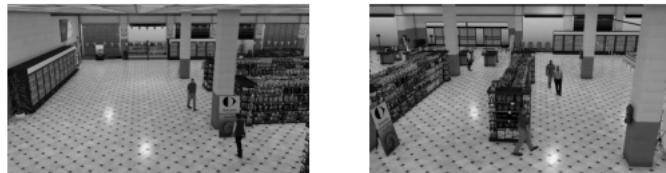
Your SSIM value is 0.30329548816123597

Your mse value is 3287.550680941358

Length of frame\_array\_A 65

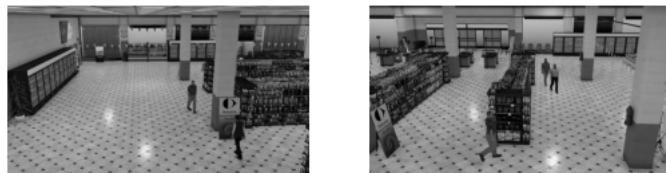
Length of frame\_array\_A 65

MSE: 3287.55, SSIM: 0.30



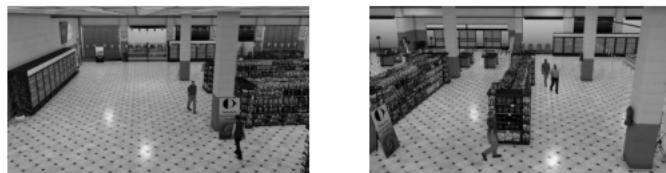
We are at frame- for first video 15  
Your SSIM value is 0.3024466952862923  
Your mse value is 3287.676238908179  
Length of frame\_array\_A 66  
Length of frame\_array\_A 66

MSE: 3287.68, SSIM: 0.30



Your SSIM value is 0.3027871113367243  
Your mse value is 3278.5789187885803  
Length of frame\_array\_A 67  
Length of frame\_array\_A 67

MSE: 3278.58, SSIM: 0.30



Your SSIM value is 0.30259642529308006  
Your mse value is 3273.4695949074076  
Length of frame\_array\_A 68  
Length of frame\_array\_A 68

MSE: 3273.47, SSIM: 0.30





Your SSIM value is 0.30322606923223216

Your mse value is 3266.490509741512

Length of frame\_array\_A 69

Length of frame\_array\_A 69

MSE: 3266.49, SSIM: 0.30



Your SSIM value is 0.30317675855268544

Your mse value is 3264.6726982060186

Length of frame\_array\_A 70

Length of frame\_array\_A 70

MSE: 3264.67, SSIM: 0.30



Your SSIM value is 0.30303723845889446

Your mse value is 3267.5471484375

Length of frame\_array\_A 71

Length of frame\_array\_A 71

MSE: 3267.55, SSIM: 0.30



Your SSIM value is 0.3026842078840676

Your mse value is 3272.7453423996913

Length of frame\_array\_A 72

Length of frame\_array\_A 72

MSE: 3272.75, SSIM: 0.30





Your SSIM value is 0.3030382342941793

Your mse value is 3271.703829089506

Length of frame\_array\_A 73

Length of frame\_array\_B 73

MSE: 3271.70, SSIM: 0.30



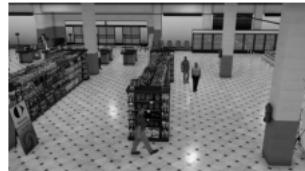
Your SSIM value is 0.3028276717358279

Your mse value is 3273.062047164352

Length of frame\_array\_A 74

Length of frame\_array\_B 74

MSE: 3273.06, SSIM: 0.30



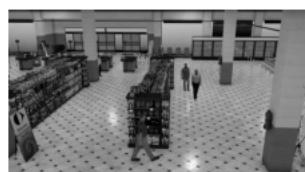
Your SSIM value is 0.3028306488294856

Your mse value is 3274.6520298032406

Length of frame\_array\_A 75

Length of frame\_array\_B 75

MSE: 3274.65, SSIM: 0.30



Your SSIM value is 0.3027534972480052

Your mse value is 3275.587605131173

Length of frame\_array\_A 76

Length of frame\_array\_B 76

MSE: 3275.59, SSIM: 0.30



Your SSIM value is 0.30302576306265144

Your mse value is 3275.367723765432

Length of frame\_array\_A 77

Length of frame\_array\_A 77

MSE: 3275.37, SSIM: 0.30



Your SSIM value is 0.30314686241793243

Your mse value is 3275.6887586805556

Length of frame\_array\_A 78

Length of frame\_array\_A 78

MSE: 3275.69, SSIM: 0.30



Your SSIM value is 0.3029148739474038

Your mse value is 3275.7951027199074

Length of frame\_array\_A 79

Length of frame\_array\_A 79

MSE: 3275.80, SSIM: 0.30



Your SSIM value is 0.3025824012859522

Your mse value is 3279.670547357253

Length of frame\_array\_A 80

Length of frame\_array\_A 80

MSE: 3279.67, SSIM: 0.30



Your SSIM value is 0.3027569324670791

Your mse value is 3281.328689236111

Length of frame\_array\_A 81

Length of frame\_array\_A 81

MSE: 3281.33, SSIM: 0.30



Your SSIM value is 0.3027414431393365

Your mse value is 3281.994320987654

Length of frame\_array\_A 82

Length of frame\_array\_A 82

MSE: 3281.99, SSIM: 0.30



Your SSIM value is 0.3028663685472966

Your mse value is 3280.0946812307097

Length of frame\_array\_A 83

Length of frame\_array\_A 83

MSE: 3280.09, SSIM: 0.30



Your SSIM value is 0.30284647177921226

Your mse value is 3272.2087398726853

Length of frame\_array\_A 84

Length of frame\_array\_A 84

MSE: 3272.21, SSIM: 0.30



Your SSIM value is 0.30293915524668963

Your mse value is 3270.9627136381173

Length of frame\_array\_A 85

Length of frame\_array\_A 85

MSE: 3270.96, SSIM: 0.30



Your SSIM value is 0.3028679890912377

Your mse value is 3274.9150516010804

Length of frame\_array\_A 86

Length of frame\_array\_A 86

MSE: 3274.92, SSIM: 0.30



Your SSIM value is 0.3028412711251507

Your mse value is 3276.4651538387348

Length of frame\_array\_A 87

Length of frame\_array\_A 87

MSE: 3276.47, SSIM: 0.30



Your SSIM value is 0.3027876495740605

5/12/23, 1:07 AM

framefilteringCompressionFinal.ipynb - Colaboratory

Your SSIM value is 0.3027820455740000  
Your mse value is 3280.8602994791668  
Length of frame\_array\_A 88  
Length of frame\_array\_A 88

MSE: 3280.86, SSIM: 0.30



Your SSIM value is 0.30317626398593406  
Your mse value is 3282.33616560571  
Length of frame\_array\_A 89  
Length of frame\_array\_A 89

MSE: 3282.34, SSIM: 0.30



Your SSIM value is 0.3029197232980367  
Your mse value is 3285.8191092785496  
Length of frame\_array\_A 90  
Length of frame\_array\_A 90

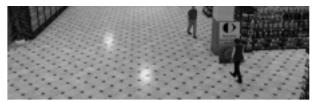
MSE: 3285.82, SSIM: 0.30



We are at frame- for first video 16  
Your SSIM value is 0.3030020108198396  
Your mse value is 3282.09682966821  
Length of frame\_array\_A 91  
Length of frame\_array\_A 91

MSE: 3282.10, SSIM: 0.30





Your SSIM value is 0.3028225065388585

Your mse value is 3276.7630478395063

Length of frame\_array\_A 92

Length of frame\_array\_A 92

MSE: 3276.76, SSIM: 0.30



Your SSIM value is 0.303444326190405

Your mse value is 3269.502085744599

Length of frame\_array\_A 93

Length of frame\_array\_A 93

MSE: 3269.50, SSIM: 0.30



Your SSIM value is 0.3033980250504766

Your mse value is 3267.341384548611

Length of frame\_array\_A 94

Length of frame\_array\_A 94

MSE: 3267.34, SSIM: 0.30



Your SSIM value is 0.30325471298954565

Your mse value is 3269.936244695216

Length of frame\_array\_A 95

Length of frame\_array\_A 95

MSE: 3269.94, SSIM: 0.30



Your SSIM value is 0.3028999184031721

Your mse value is 3274.960272955247

Length of frame\_array\_A 96

Length of frame\_array\_B 96

MSE: 3274.96, SSIM: 0.30



Your SSIM value is 0.30327302629403097

Your mse value is 3273.6746952160493

Length of frame\_array\_A 97

Length of frame\_array\_B 97

MSE: 3273.67, SSIM: 0.30



Your SSIM value is 0.3030721154272532

Your mse value is 3274.8260228587965

Length of frame\_array\_A 98

Length of frame\_array\_B 98

MSE: 3274.83, SSIM: 0.30



Your SSIM value is 0.3030767938339942

Your mse value is 3276.4728216628087

Length of frame\_array\_A 99

Length of frame\_array\_B 99

MSE: 3276.47, SSIM: 0.30



Your SSIM value is 0.30301264053106025

Your mse value is 3277.378900462963

Length of frame\_array\_A 100

Length of frame\_array\_A 100

MSE: 3277.38, SSIM: 0.30



Your SSIM value is 0.30326409340976

Your mse value is 3277.0689891975308

Length of frame\_array\_A 101

Length of frame\_array\_A 101

MSE: 3277.07, SSIM: 0.30



Your SSIM value is 0.30346192230961017

Your mse value is 3276.6695794753086

Length of frame\_array\_A 102

Length of frame\_array\_A 102

MSE: 3276.67, SSIM: 0.30



Your SSIM value is 0.30331079147401685

Your mse value is 3276.018286554784

Length of frame\_array\_A 103

Length of frame\_array\_A 103

MSE: 3276.02, SSIM: 0.30



Your SSIM value is 0.30291574424658124

Your mse value is 3279.8876480516974

Length of frame\_array\_A 104

Length of frame\_array\_B 104

MSE: 3279.89, SSIM: 0.30



Your SSIM value is 0.30307911129138

Your mse value is 3281.7048495370373

Length of frame\_array\_A 105

Length of frame\_array\_B 105

MSE: 3281.70, SSIM: 0.30



Your SSIM value is 0.30305032634882606

Your mse value is 3282.4470563271607

Length of frame\_array\_A 106

Length of frame\_array\_B 106

MSE: 3282.45, SSIM: 0.30



Your SSIM value is 0.3031699962109946

Your mse value is 3280.5884071180553  
Length of frame\_array\_A 107  
Length of frame\_array\_A 107

MSE: 3280.59, SSIM: 0.30



Your SSIM value is 0.30315566543020134  
Your mse value is 3272.700401716821  
Length of frame\_array\_A 108  
Length of frame\_array\_A 108

MSE: 3272.70, SSIM: 0.30



Your SSIM value is 0.3032665353225314  
Your mse value is 3271.4207942708335  
Length of frame\_array\_A 109  
Length of frame\_array\_A 109

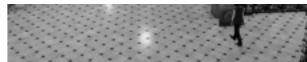
MSE: 3271.42, SSIM: 0.30



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Length of frame\_array\_A 110  
Length of frame\_array\_A 110

MSE: 3275.48, SSIM: 0.30





Your SSIM value is 0.30314760230368

Your mse value is 3276.9360334683643

Length of frame\_array\_A 111

Length of frame\_array\_B 111

MSE: 3276.94, SSIM: 0.30



Your SSIM value is 0.3030729359879436

Your mse value is 3281.442885320216

Length of frame\_array\_A 112

Length of frame\_array\_B 112

MSE: 3281.44, SSIM: 0.30



Your SSIM value is 0.30348862460570686

Your mse value is 3283.0015745563273

Length of frame\_array\_A 113

Length of frame\_array\_B 113

MSE: 3283.00, SSIM: 0.30



Your SSIM value is 0.30322682360268716

Your mse value is 3286.7600091628087

Length of frame\_array\_A 114

Length of frame\_array\_B 114

MSE: 3286.76, SSIM: 0.30





We are at frame- for first video 17  
Your SSIM value is 0.30264251189275676

Your mse value is 3285.610668885031

Length of frame\_array\_A 115

Length of frame\_array\_A 115

MSE: 3285.61, SSIM: 0.30



Your SSIM value is 0.3025243774245148

Your mse value is 3279.9319401041666

Length of frame\_array\_A 116

Length of frame\_array\_A 116

MSE: 3279.93, SSIM: 0.30



Your SSIM value is 0.30315342101379705

Your mse value is 3272.4000694444444

Length of frame\_array\_A 117

Length of frame\_array\_A 117

MSE: 3272.40, SSIM: 0.30



Your SSIM value is 0.30310218196404193

Your mse value is 3269.913085455247

Length of frame\_array\_A 118

Length of frame\_array\_A 118

MSE: 3269.91, SSIM: 0.30



Your SSIM value is 0.3029695523632543

Your mse value is 3272.2018393132716

Length of frame\_array\_A 119

Length of frame\_array\_B 119

MSE: 3272.20, SSIM: 0.30



Your SSIM value is 0.3026148091782926

Your mse value is 3277.102288290895

Length of frame\_array\_A 120

Length of frame\_array\_B 120

MSE: 3277.10, SSIM: 0.30



Your SSIM value is 0.3029770526711373

Your mse value is 3275.671957465278

Length of frame\_array\_A 121

Length of frame\_array\_B 121

MSE: 3275.67, SSIM: 0.30



Your SSIM value is 0.3027773964487385

Your mse value is 3276.701268325617

Length of frame\_array\_A 122

Length of frame\_array\_B 122

MSE: 3276.70, SSIM: 0.30



Your SSIM value is 0.3027926038030562

Your mse value is 3278.307019675926

Length of frame\_array\_A 123

Length of frame\_array\_A 123

MSE: 3278.31, SSIM: 0.30



Your SSIM value is 0.30272684812154455

Your mse value is 3279.2362003279322

Length of frame\_array\_A 124

Length of frame\_array\_A 124

MSE: 3279.24, SSIM: 0.30



Your SSIM value is 0.30296638946499527

Your mse value is 3278.9766536458333

Length of frame\_array\_A 125

Length of frame\_array\_A 125

MSE: 3278.98, SSIM: 0.30



Your SSIM value is 0.3031422136734718

Your mse value is 3278.3206737075616

Your mse value is 3278.320073703012

Length of frame\_array\_A 126

Length of frame\_array\_A 126

MSE: 3278.32, SSIM: 0.30



Your SSIM value is 0.3030565367072261

Your mse value is 3276.962978395062

Length of frame\_array\_A 127

Length of frame\_array\_A 127

MSE: 3276.96, SSIM: 0.30



Your SSIM value is 0.30273967631901394

Your mse value is 3280.2635850694446

Length of frame\_array\_A 128

Length of frame\_array\_A 128

MSE: 3280.26, SSIM: 0.30



Your SSIM value is 0.30285753820735656

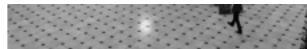
Your mse value is 3282.224241415895

Length of frame\_array\_A 129

Length of frame\_array\_A 129

MSE: 3282.22, SSIM: 0.30





Your SSIM value is 0.3028246876879882

Your mse value is 3283.0585903742285

Length of frame\_array\_A 130

Length of frame\_array\_B 130

MSE: 3283.06, SSIM: 0.30



Your SSIM value is 0.3029486328954217

Your mse value is 3281.2169212962963

Length of frame\_array\_A 131

Length of frame\_array\_B 131

MSE: 3281.22, SSIM: 0.30



Your SSIM value is 0.3029266476487254

Your mse value is 3273.4311120756174

Length of frame\_array\_A 132

Length of frame\_array\_B 132

MSE: 3273.43, SSIM: 0.30



Your SSIM value is 0.3030386689243191

Your mse value is 3271.9510021219135

Length of frame\_array\_A 133

Length of frame\_array\_B 133

MSE: 3271.95, SSIM: 0.30





Your SSIM value is 0.3029281285539935

Your mse value is 3275.9017226080246

Length of frame\_array\_A 134

Length of frame\_array\_A 134

MSE: 3275.90, SSIM: 0.30



Your SSIM value is 0.3029045601371927

Your mse value is 3277.267964891975

Length of frame\_array\_A 135

Length of frame\_array\_A 135

MSE: 3277.27, SSIM: 0.30



Your SSIM value is 0.3028201271976879

Your mse value is 3281.739536072531

Length of frame\_array\_A 136

Length of frame\_array\_A 136

MSE: 3281.74, SSIM: 0.30



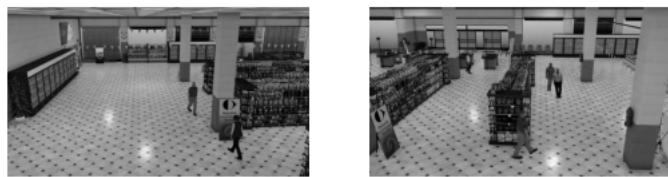
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Your mse value is 3283.3303375771607

Length of frame\_array\_A 137

Length of frame\_array\_A 137

MSE: 3283.33, SSIM: 0.30



Your SSIM value is 0.30294695632096047

Your mse value is 3287.2920177469136

Length of frame\_array\_A 138

Length of frame\_array\_A 138

MSE: 3287.29, SSIM: 0.30



We are at frame- for first video 18

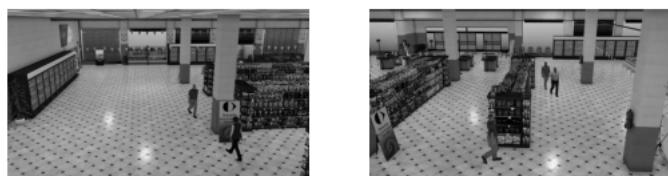
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Your mse value is 3286.6184471450615

Length of frame\_array\_A 139

Length of frame\_array\_A 139

MSE: 3286.62, SSIM: 0.30



Your SSIM value is 0.30263455442034665

Your mse value is 3281.3155777391976

Length of frame\_array\_A 140

Length of frame\_array\_A 140

MSE: 3281.32, SSIM: 0.30



Your SSIM value is 0.303293509809645

Your mse value is 3273.5842230902776

Length of frame\_array\_A 141

Length of frame\_array\_A 141

MSE: 3273.58, SSIM: 0.30



Your SSIM value is 0.30323364475641196

Your mse value is 3270.8248625578703

Length of frame\_array\_A 142

Length of frame\_array\_A 142

MSE: 3270.82, SSIM: 0.30



Your SSIM value is 0.3030986558661338

Your mse value is 3272.8441440007714

Length of frame\_array\_A 143

Length of frame\_array\_A 143

MSE: 3272.84, SSIM: 0.30



Your SSIM value is 0.30275208964568084

Your mse value is 3277.579067322531

Length of frame\_array\_A 144

Length of frame\_array\_A 144

MSE: 3277.58, SSIM: 0.30



Your SSIM value is 0.30311388096485603

Your mse value is 3276.050426311728

Length of frame\_array\_A 145  
Length of frame\_array\_A 145

MSE: 3276.05, SSIM: 0.30



Your SSIM value is 0.3029011864932365

Your mse value is 3277.006925636574

Length of frame\_array\_A 146

Length of frame\_array\_A 146

MSE: 3277.01, SSIM: 0.30



Your SSIM value is 0.302919265889674

Your mse value is 3278.560033275463

Length of frame\_array\_A 147

Length of frame\_array\_A 147

MSE: 3278.56, SSIM: 0.30



Your SSIM value is 0.30284431789287947

Your mse value is 3279.559469521605

Length of frame\_array\_A 148

Length of frame\_array\_A 148

MSE: 3279.56, SSIM: 0.30





Your SSIM value is 0.30308199484348985

Your mse value is 3279.327024498457

Length of frame\_array\_A 149

Length of frame\_array\_B 149

MSE: 3279.33, SSIM: 0.30



Your SSIM value is 0.303252239168898

Your mse value is 3278.507326388889

Length of frame\_array\_A 150

Length of frame\_array\_B 150

MSE: 3278.51, SSIM: 0.30



Your SSIM value is 0.3031941584991427

Your mse value is 3276.7084109760804

Length of frame\_array\_A 151

Length of frame\_array\_B 151

MSE: 3276.71, SSIM: 0.30



Your SSIM value is 0.3029965661614266

Your mse value is 3279.094045621142

Length of frame\_array\_A 152

Length of frame\_array\_B 152

MSE: 3279.09, SSIM: 0.30





Your SSIM value is 0.3031662483191248

Your mse value is 3280.6257966820986

Length of frame\_array\_A 153

Length of frame\_array\_A 153

MSE: 3280.63, SSIM: 0.30



Your SSIM value is 0.30313297512946163

Your mse value is 3281.5057224151233

Length of frame\_array\_A 154

Length of frame\_array\_A 154

MSE: 3281.51, SSIM: 0.30



Your SSIM value is 0.3032576923154396

Your mse value is 3279.6845625964506

Length of frame\_array\_A 155

Length of frame\_array\_A 155

MSE: 3279.68, SSIM: 0.30



Your SSIM value is 0.3032291297547006

Your mse value is 3272.1557489390434

Length of frame\_array\_A 156

Length of frame\_array\_A 156

MSE: 3272.16, SSIM: 0.30



Your SSIM value is 0.3033134249828123

Your mse value is 3270.6612147955248

Length of frame\_array\_A 157

Length of frame\_array\_B 157

MSE: 3270.66, SSIM: 0.30



Your SSIM value is 0.30315807755758006

Your mse value is 3274.5070760995372

Length of frame\_array\_A 158

Length of frame\_array\_B 158

MSE: 3274.51, SSIM: 0.30



Your SSIM value is 0.3031077294815677

Your mse value is 3275.5721956983025

Length of frame\_array\_A 159

Length of frame\_array\_B 159

MSE: 3275.57, SSIM: 0.30



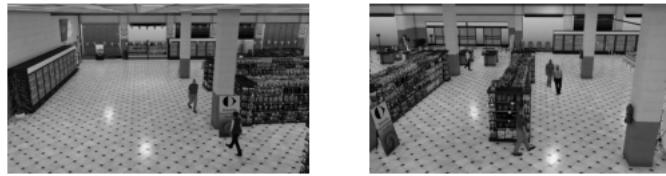
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Your mse value is 3279.8547188464504

Length of frame\_array\_A 160

Length of frame\_array\_B 160

MSE: 3279.85, SSIM: 0.30



Your SSIM value is 0.30340603687117085

Your mse value is 3281.3977994791667

Length of frame\_array\_A 161

Length of frame\_array\_A 161

MSE: 3281.40, SSIM: 0.30



Your SSIM value is 0.30311554959092496

Your mse value is 3285.3801991705245

Length of frame\_array\_A 162

Length of frame\_array\_A 162

MSE: 3285.38, SSIM: 0.30



We are at frame- for first video 19

Your SSIM value is 0.30227495659640585

Your mse value is 3283.4272029320987

Length of frame\_array\_A 163

Length of frame\_array\_A 163

MSE: 3283.43, SSIM: 0.30



Your SSIM value is 0.3029281582228214

Your mse value is 3275.762657696759

Length of frame\_array\_A 164

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Length of frame_array_A 164
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MSE: 3275.76, SSIM: 0.30



Your SSIM value is 0.3029057628080328

Your mse value is 3272.6000361689817

Length of frame\_array\_A 165

Length of frame\_array\_A 165

MSE: 3272.60, SSIM: 0.30



Your SSIM value is 0.3027639878650381

Your mse value is 3274.381172357253

Length of frame\_array\_A 166

Length of frame\_array\_A 166

MSE: 3274.38, SSIM: 0.30



Your SSIM value is 0.30242932510890336

Your mse value is 3278.9268672839507

Length of frame\_array\_A 167

Length of frame\_array\_A 167

MSE: 3278.93, SSIM: 0.30





Your SSIM value is 0.30277653710861274

Your mse value is 3277.3314756944446

Length of frame\_array\_A 168

Length of frame\_array\_A 168

MSE: 3277.33, SSIM: 0.30



Your SSIM value is 0.3025545278121625

Your mse value is 3278.2185807291667

Length of frame\_array\_A 169

Length of frame\_array\_A 169

MSE: 3278.22, SSIM: 0.30



Your SSIM value is 0.30256972171992325

Your mse value is 3279.6813922646606

Length of frame\_array\_A 170

Length of frame\_array\_A 170

MSE: 3279.68, SSIM: 0.30



Your SSIM value is 0.30248655517473144

Your mse value is 3280.679788773148

Length of frame\_array\_A 171

Length of frame\_array\_A 171

MSE: 3280.68, SSIM: 0.30





Your SSIM value is 0.3027103400051468

Your mse value is 3280.499619020062

Length of frame\_array\_A 172

Length of frame\_array\_A 172

MSE: 3280.50, SSIM: 0.30



Your SSIM value is 0.30287867100057525

Your mse value is 3279.648152006173

Length of frame\_array\_A 173

Length of frame\_array\_A 173

MSE: 3279.65, SSIM: 0.30



Your SSIM value is 0.3027952071343902

Your mse value is 3277.7226711998455

Length of frame\_array\_A 174

Length of frame\_array\_A 174

MSE: 3277.72, SSIM: 0.30



Your SSIM value is 0.3025928357667722

Your mse value is 3279.8240764853394

Length of frame\_array\_A 175

Length of frame\_array\_A 175

MSE: 3279.82, SSIM: 0.30



Your SSIM value is 0.30283340087341915

Your mse value is 3280.877750771605

Length of frame\_array\_A 176

Length of frame\_array\_A 176

MSE: 3280.88, SSIM: 0.30



Your SSIM value is 0.3027943305710666

Your mse value is 3281.804637345679

Length of frame\_array\_A 177

Length of frame\_array\_A 177

MSE: 3281.80, SSIM: 0.30



Your SSIM value is 0.3029140422285438

Your mse value is 3280.050317804784

Length of frame\_array\_A 178

Length of frame\_array\_A 178

MSE: 3280.05, SSIM: 0.30



Your SSIM value is 0.3028435341506324

Your mse value is 3272.7866141010804

Length of frame\_array\_A 179

Length of frame\_array\_A 179

MSE: 3272.79, SSIM: 0.30



Your SSIM value is 0.3029483443728977

Your mse value is 3271.1679142554012

Length of frame\_array\_A 180

Length of frame\_array\_A 180

MSE: 3271.17, SSIM: 0.30



Your SSIM value is 0.3028203350205984

Your mse value is 3274.762432966821

Length of frame\_array\_A 181

Length of frame\_array\_A 181

MSE: 3274.76, SSIM: 0.30



Your SSIM value is 0.30282724310666415

Your mse value is 3275.2166276041667

Length of frame\_array\_A 182

Length of frame\_array\_A 182

MSE: 3275.22, SSIM: 0.30



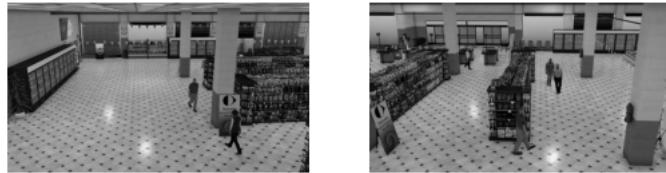
Your SSIM value is 0.30270589059754177

Your mse value is 3279.1222960069445

Length of frame\_array\_A 183

Length of frame\_array\_A 183

MSE: 3279.12, SSIM: 0.30



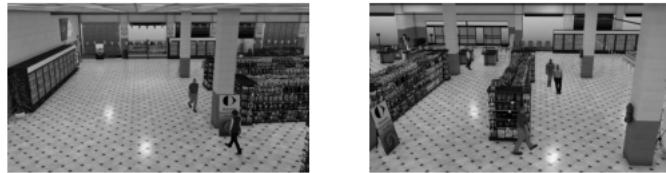
Your SSIM value is 0.3030869405193442

Your mse value is 3280.5673529128085

Length of frame\_array\_A 184

Length of frame\_array\_A 184

MSE: 3280.57, SSIM: 0.30



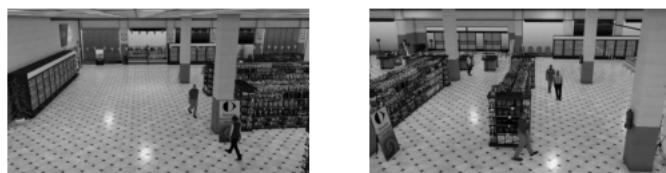
Your SSIM value is 0.3028069987928266

Your mse value is 3284.4656389853394

Length of frame\_array\_A 185

Length of frame\_array\_A 185

MSE: 3284.47, SSIM: 0.30



We are at frame- for first video 20

Your SSIM value is 0.30283522549945135

Your mse value is 3287.3526350308643

Length of frame\_array\_A 186

Length of frame\_array\_A 186

MSE: 3287.35, SSIM: 0.30



Your SSIM value is 0.3026528463425659

Your mse value is 3282.4921884645064

Length of frame\_array\_A 187

Length of frame\_array\_A 187

MSE: 3282.49, SSIM: 0.30



Your SSIM value is 0.3032808364871603

Your mse value is 3275.0529991319445

Length of frame\_array\_A 188

Length of frame\_array\_A 188

MSE: 3275.05, SSIM: 0.30



Your SSIM value is 0.30329711272962184

Your mse value is 3271.6428814621913

Length of frame\_array\_A 189

Length of frame\_array\_A 189

MSE: 3271.64, SSIM: 0.30



Your SSIM value is 0.3031684420535994

Your mse value is 3273.0367578125

Length of frame\_array\_A 190

Length of frame\_array\_A 190

MSE: 3273.04, SSIM: 0.30





Your SSIM value is 0.3028142583315846

Your mse value is 3277.47840470679

Length of frame\_array\_A 191

Length of frame\_array\_B 191

MSE: 3277.48, SSIM: 0.30



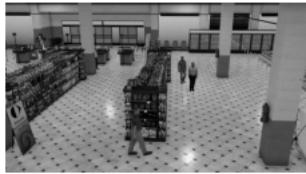
Your SSIM value is 0.30316611602897486

Your mse value is 3275.7504330632714

Length of frame\_array\_A 192

Length of frame\_array\_B 192

MSE: 3275.75, SSIM: 0.30



Your SSIM value is 0.30295253571362707

Your mse value is 3276.5201335841048

Length of frame\_array\_A 193

Length of frame\_array\_B 193

MSE: 3276.52, SSIM: 0.30



Your SSIM value is 0.302958535573922

Your mse value is 3277.9232257908952

Length of frame\_array\_A 194

Length of frame\_array\_B 194

MSE: 3277.92, SSIM: 0.30



Your SSIM value is 0.3028843284383691  
Your mse value is 3278.879409722222

Length of frame\_array\_A 195  
Length of frame\_array\_A 195

MSE: 3278.88, SSIM: 0.30



Your SSIM value is 0.303108293196869  
Your mse value is 3278.7038599537036  
Length of frame\_array\_A 196  
Length of frame\_array\_A 196

MSE: 3278.70, SSIM: 0.30



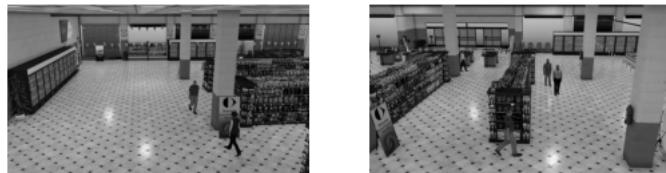
Your SSIM value is 0.3032590015930438  
Your mse value is 3277.878833912037  
Length of frame\_array\_A 197  
Length of frame\_array\_A 197

MSE: 3277.88, SSIM: 0.30



Your SSIM value is 0.3031691249742729  
Your mse value is 3275.9134505208335  
Length of frame\_array\_A 198  
Length of frame\_array\_A 198

MSE: 3275.91, SSIM: 0.30



Your SSIM value is 0.3029602568012931

Your mse value is 3277.883381076389

Length of frame\_array\_A 199

Length of frame\_array\_A 199

MSE: 3277.88, SSIM: 0.30



Your SSIM value is 0.30317910263070763

Your mse value is 3278.7782282021603

Length of frame\_array\_A 200

Length of frame\_array\_A 200

MSE: 3278.78, SSIM: 0.30



Your SSIM value is 0.3031477385359719

Your mse value is 3279.7217949459878

Length of frame\_array\_A 201

Length of frame\_array\_A 201

MSE: 3279.72, SSIM: 0.30



Your SSIM value is 0.30326585069834866

Your mse value is 3277.994452642747

Length of frame\_array\_A 202

Length of frame\_array\_A 202

MSE: 3277.99, SSIM: 0.30

MSE: 3277.99, SSIM: 0.30



Your SSIM value is 0.3032006822478636  
Your mse value is 3270.839382233796

Length of frame\_array\_A 203  
Length of frame\_array\_A 203

MSE: 3270.84, SSIM: 0.30



Your SSIM value is 0.30328961078034405  
Your mse value is 3269.1143272569443  
Length of frame\_array\_A 204  
Length of frame\_array\_A 204

MSE: 3269.11, SSIM: 0.30



Your SSIM value is 0.30316918019704064  
Your mse value is 3272.5409456983025  
Length of frame\_array\_A 205  
Length of frame\_array\_A 205

MSE: 3272.54, SSIM: 0.30



Your SSIM value is 0.3031893978364051