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ities  Terminal  Tue 17:15

Kneron@ubuntu: ~/host_lib/python
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Kneron@ubuntu:~$ python3 --version
Python 3.6.9
Kneron@ubuntu:~$ ls usb
ls: cannot access 'usb': No such file or directory
Kneron@ubuntu:~$ lsusb
Bus 004 Device 001: ID 1d6b:0003 Linux Foundation 3.0 root hub
Bus 003 Device 002: ID 0e0f:0003 VMware, Inc. Virtual Mouse
Bus 003 Device 001: ID 1d6b:0002 Linux Foundation 2.0 root hub
Bus 002 Device 001: ID 1d6b:0002 Linux Foundation 2.0 root hub
Bus 002 Device 001: ID 1d6b:0001 Linux Foundation 1.1 root hub
Kneron@ubuntu:~$ lsusb
Bus 004 Device 001: ID 1d6b:0003 Linux Foundation 3.0 root hub
Bus 003 Device 004: ID 0e0f:0002 VMware, Inc. Virtual USB Hub
Bus 003 Device 003: ID 0e0f:0002 VMware, Inc. Virtual USB Hub
Bus 003 Device 005: ID 3231:0100
Bus 003 Device 002: ID 0e0f:0003 VMware, Inc. Virtual Mouse
Bus 003 Device 001: ID 1d6b:0002 Linux Foundation 2.0 root hub
Bus 001 Device 001: ID 1d6b:0002 Linux Foundation 2.0 root hub
Bus 002 Device 001: ID 1d6b:0001 Linux Foundation 1.1 root hub
Kneron@ubuntu:~$ git clone https://github.com/kneron/host_lib
Cloning into 'host_lib'...
remote: Enumerating objects: 35, done.
remote: Counting objects: 100% (35/35), done.
remote: Compressing objects: 100% (29/29), done.
remote: Total 151 (delta 11), reused 14 (delta 4), pack-reused 116
Receiving objects: 100% (151/151), 35.67 MiB | 17.88 MiB/s, done.
Resolving deltas: 100% (45/45), done.
Kneron@ubuntu:~$ cd /path/to/host_lib/pkg
bash: cd: /path/to/host_lib/pkg: No such file or directory
Kneron@ubuntu:~$ cd host_lib
Kneron@ubuntu:~/host_lib$ cd pkg
bash: cd: pkg: No such file or directory
Kneron@ubuntu:~/host_lib$ cd pkgs
Kneron@ubuntu:~/host_lib/pkgs$ pip3 install kdp_host_api-1.1.2_linux_p
y3-none-any.whl
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Firefox Web Browser  Kneron@ubuntu: ~/host_lib/python
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Kneron@ubuntu:~/host_lib/pkg$ pip3 install kdp_host_api-1.1.2_linux-py3-none-any.whl
Processing ./kdp_host_api-1.1.2_linux-py3-none-any.whl
Installing collected packages: kdp-host-api
Successfully installed kdp-host-api-1.1.2-linux-
Kneron@ubuntu:~/host_lib/pkg$ cd ..
Kneron@ubuntu:~/host_lib$ cd python
Kneron@ubuntu:~/host_lib/python$ python3 main.py -h
usage: main.py [-h] [-t TASK_NAME]

Run Python examples by calling the Python APIs

optional arguments:
  -h, --help            show this help message and exit
  -t TASK_NAME, --task_name TASK_NAME
                        cam_dme_ssd_fd
                        cam_dme_post_host_ssd_fd
                        cam_dme_serial_yolo
                        cam_dme_async_yolo
                        cam_yolo
                        cam_isi_ssd_fd
                        cam_isi_yolo
                        cam_isi_parallel_yolo
                        dme_keras
                        update_app
                        update_fw
Kneron@ubuntu:~/host_lib/python$ cp /path/to/host_lib/app_binaries/tiny_yolo_v3/*
cp: missing destination file operand after '/path/to/host_lib/app_binaries/tiny_yolo_v3/*'
Try 'cp --help' for more information.
Kneron@ubuntu:~/host_lib/python$ /path/to/host_lib/app_binaries/ota/ready_to_load/
bash: /path/to/host_lib/app_binaries/ota/ready_to_load/: No such file or directory
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Kneron@ubuntu: ~/host_lib/python
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Kneron@ubuntu:~/host_lib/python$ cp /path/to/host_lib/app_binaries/tiny
Files v3/*
cp: missing destination file operand after '/path/to/host_lib/app_binar
ies/tiny_yolo_v3/*'
Try 'cp --help' for more information.
Kneron@ubuntu:~/host_lib/python$ /path/to/host_lib/app_binaries/ota/rea
dy_to_load/
bash: /path/to/host_lib/app_binaries/ota/ready_to_load/: No such file o
r directory
Kneron@ubuntu:~/host_lib/python$ cp ~/host_lib/app_binaries/tiny_yolo_v
3/* ~/host_lib/app_binaries/ota/ready_to_load/
Kneron@ubuntu:~/host_lib/python$ cd ~/host_lib/app_binaries/tiny_yolo_v
3/
Kneron@ubuntu:~/host_lib/app_binaries/tiny_yolo_v3$ ls
fw_ncpu.bin fw_scpu.bin model_ota.bin
Kneron@ubuntu:~/host_lib/app_binaries/tiny_yolo_v3$ cd..
cd..: command not found
Kneron@ubuntu:~/host_lib/app_binaries/tiny_yolo_v3$ cd ..
Kneron@ubuntu:~/host_lib/app_binaries$ cd ..
Kneron@ubuntu:~/host_lib$ cd python
Kneron@ubuntu:~/host_lib/python$ sudo python3 main.py -t update_appaddi
ng devices....

start kdp host lib....

Task: update_app
starting update fw ...

update SCPU firmware succeeded...

update NCPU firmware succeeded...

starting update model: 1...

update model succeeded...
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Kneron@ubuntu: ~/host_lib/python
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start kdp host lib....

Task: update_app
starting update fw ...
update SCU firmware succeeded...
update NCPU firmware succeeded...
starting update model: 1...
update model succeeded...
starting report sys status ...
report sys status succeeded...

SCPU firmware_id 1.2.0.0 build_id 16
NCPU firmware_id 1.2.0.0 build_id 1

de init kdp host lib....

Kneron@ubuntu:~/host_lib/python$ python3 main.py -t cam_isi_yolo
fopen failed when opening log file:/tmp/mzt.log.
adding devices....

start kdp host lib....

Task: cam_isi_yolo
starting ISI mode...
ISI mode succeeded (window = 3)...
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Kneron@ubuntu: ~/host_lib/python
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image 2219 -> 1 object(s)
image 2220 -> 1 object(s)
image 2221 -> 1 object(s)
image 2222 -> 1 object(s)
image 2223 -> 1 object(s)
image 2224 -> 1 object(s)
image 2225 -> 1 object(s)
image 2226 -> 1 object(s)
image 2227 -> 1 object(s)
image 2228 -> 1 object(s)
image 2229 -> 1 object(s)
image 2230 -> 1 object(s)
image 2231 -> 1 object(s)
image 2232 -> 1 object(s)
image 2233 -> 1 object(s)

Pipeline inference average estimate runtime is 0.09549314475059509
Average FPS is 10.471955893920525
de init kdp host lib....
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