haura PORTANORD - cose importanti

Created	@January 20, 2025 8:54 AM
Class	tirocinio

mac giovi

remote1: masa

remote2: mec

remote3: haura

Copy to remote1 a file in remote3:

scp -o "ProxyJump utente@172.25.0.3" -r root@192.168.12.110:/root/setuphaura /destination

Copy to mac giovi a file in remote3:

scp -o "ProxyJump masa@155.185.48.231,utente@172.25.0.3" -r ... root@192.168.12.110:/root/115/

LOGIN

ssh masa@155.185.48.231

ssh utente@172.25.0.3

PIPELINE FOR CALIBRATION OF AN HAURA

1. Take left and right pictures locally to haura

   timeout 5 gst-launch-1.0 rtspsrc location=rtsp://192.168.88.20/mainstream ! rtph265depay ! h265parse ! avdec_h265 ! jpegenc ! filesink location=right.jpg

   timeout 5 gst-launch-1.0 rtspsrc location=rtsp://192.168.88.11/mainstream ! rtph265depay ! h265parse ! avdec_h265 ! jpegenc ! filesink location=left.jpg

   And put the two pictures in a folder.

   copy the calibs.yaml as well

2. Copy the pictures locally to mac with command “Copy to mac giovi a file in remote3”
3. take map.tif from qgis
4. calibrate the camera with script “findhomography”
5. once you have **projections.yaml** file you can
   a. upload projections.yaml
   b. upload map.tif

   Into haura with

   scp -o "ProxyJump masa@155.185.48.231,utente@172.25.0.3" mappa_raster.tif root@192.168.12.110:/root/map.tif

OPEN FORWARD

1. INSTALL PYTHON3

   sudo apt update
   sudo apt install python3 python3-venv python3-pip

2. OPEN FORWARD
   sudo nano /etc/sysctl.conf
3. INSTALL MOSQUITTO

sudo apt install mosquitto mosquitto-clients

4. allow port forward

sudo ufw allow 1883
sudo ufw reload

run python code