

AirGesture

Use gesture to play by AI

Environment

- opencv-python
- pyAutogui
- requests
- flask
- hilens(Huawei only)

Structure

- main.py
Main program run on Huawei Hilens Kits.
- server.py
Get post message from Huawei Hilens Kits by flask.
- rgb2grey.py
Convert RGB images to GREY images, but grey is only a single-channel image.
- getpicture.py
Get dataset by self.(not finish)

Feature

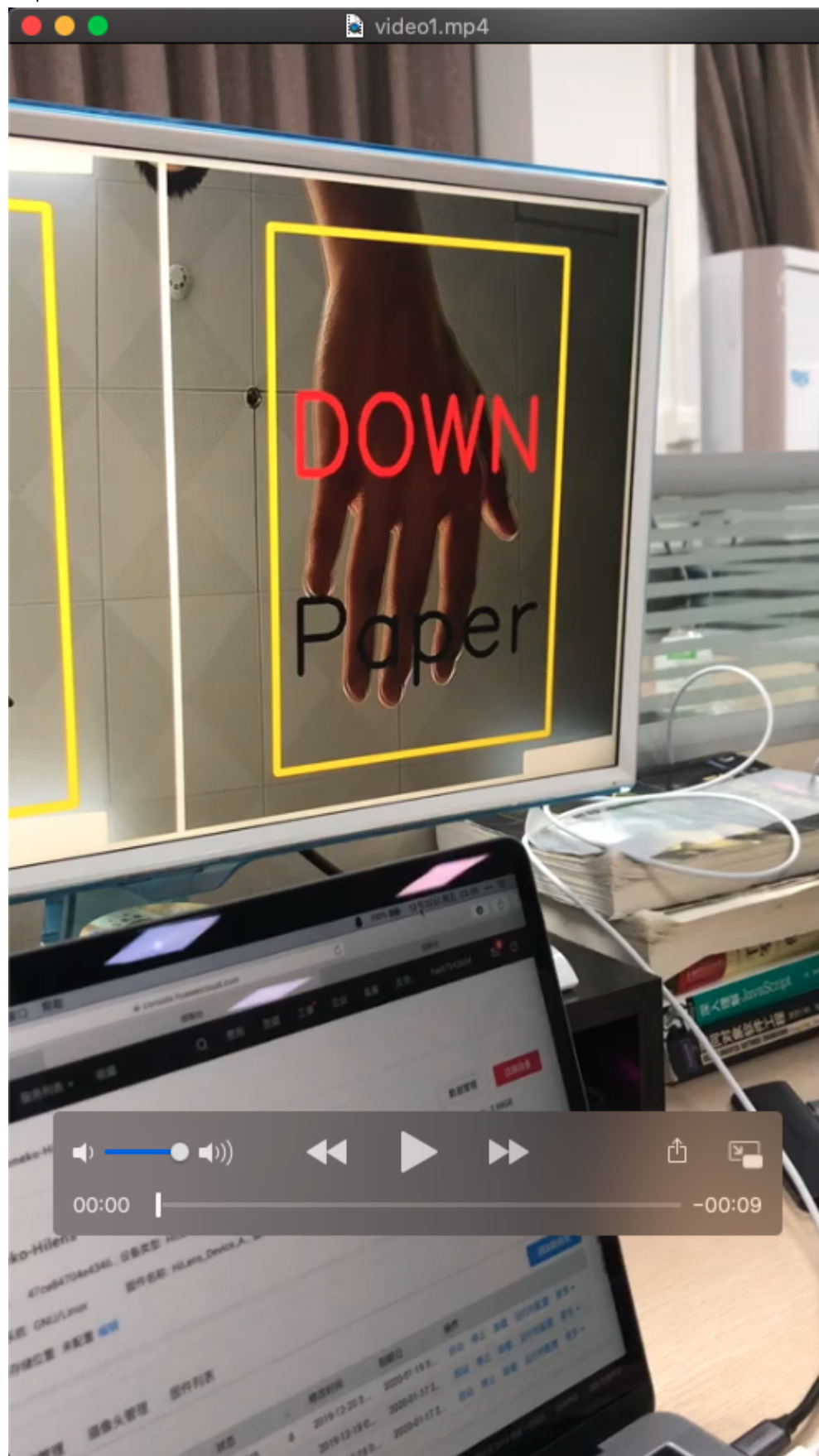
- With freeze graph by tensorflow.
- Use Huawei Hilens Kits as AI device.
- Use gesture to control keyboard to play games like [chrome dinosaur](#).

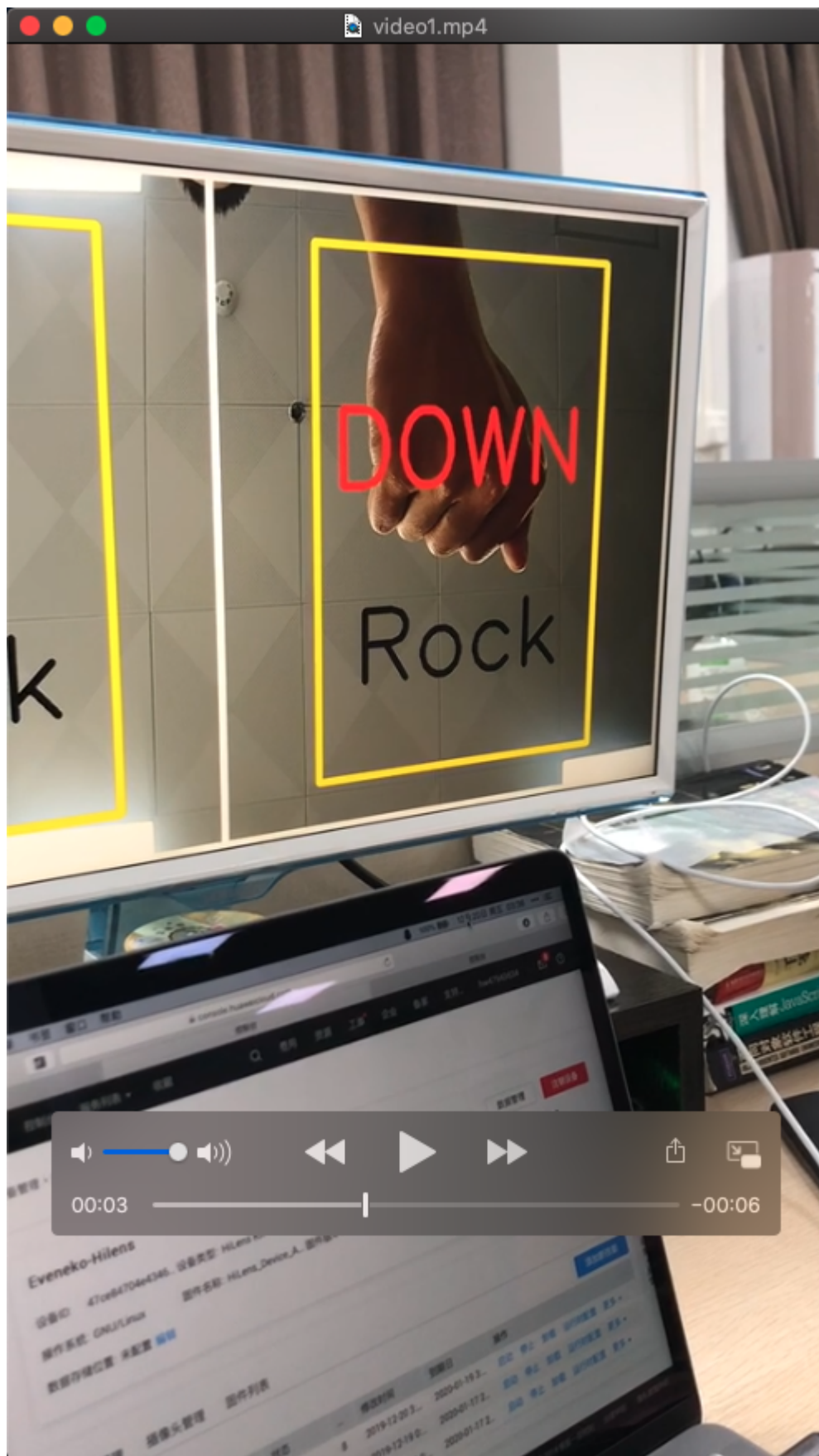
Run

- SSh Huawei Hilens kits, and deploy skill(`model.pb -> model.om && main.py`) on it.
- Run `server.py` on own computer to receive the post message from Huawei Hilens Kits.

Test

- Paper & Rock





Video1



- Dinosaur





Video2