If someone if interested, hereby instructions to video call with your Q.bo One.

1. SSH to your Q.bo one

2. Execute the following...

```
sudo pkill chromium
sudo pkill python
```

3. Add the uv4l repo key as a trusted apt source

```
curl http://www.linux-projects.org/listing/uv4l_repo/lpkey.asc | sudo apt-key
add -
```

4. Add the uv4l repo to the apt sources

```
sudo vi /etc/apt/sources.list
```

Add at the end...

```
deb http://www.linux-projects.org/listing/uv4l_repo/raspbian/stretch stretch
main
```

5. Update your existing libraries

```
sudo apt-get update
```

6. Install the uv4l software and drivers

```
sudo apt-get install uv4l uv4l-server uv4l-uvc uv4l-demos uv4l-xmpp-bridge
uv4l-webrtc
```

7. Generate a server certificate and key

```
sudo openssl genrsa -out /etc/uv4l/selfsign.key 2048 && openssl req -new -
x509 -key /etc/uv4l/selfsign.key -out /etc/uv4l/selfsign.crt -sha256
```

8. Edit uv4l configuration

```
sudo vi uv4l-uvc.conf
```

Add after...

```
### HTTPS options:
# server-option = --use-ssl=no
# server-option = --ssl-private-key-file=#path
# server-option = --ssl-certificate-file=#path
```

...the following...

```
server-option = --use-ssl=yes
server-option = --ssl-private-key-file=/etc/uv4l/selfsign.key
server-option = --ssl-certificate-file=/etc/uv4l/selfsign.crt
```

9. Edit Q.bo One audio configuration

```
sudo vi /etc/asound.conf
```

Change ...

```
pcm.!default {
  pcm "hw:1:0"
}
```

...to...

```
pcm.!default {
  type asym
  playback.pcm "hw:1"
  capture.pcm "hw:0"
}
```

10. Start the uv4l demo server

```
sudo uv4l --driver uvc --device-id 1908:2311 --config-file=/etc/uv4l/uv4l-
uvc.conf
```

*You can verify the **1908:2311** by running **dmesg | grep idVendor**. It should be one of the idVendor and idProduct combinations.*

11. Surf to https://:8090 and click below "Call"

Have fun!