MyExoMy project 2021



# Introduction

# Topics

## Start and view RTSP stream

* Start RTSP server:  
  raspivid -o - -t 0 -hf -w 1920 -h 1080 -fps 30 | cvlc -vvv stream:///dev/stdin --sout '#rtp{sdp=rtsp://:8554/x}' :demux=h264
* View in VLC:  
  GUI -> Media -> Open Network Stream -> rtsp://192.168.1.170:8554/x

Note: it is needed to give the stream a name, here ‘x’.

## Low Power

The Raspberry Pi can be put in low power by issuing a ‘sudo halt’. The power of the Raspberrt Pi 4 model B board will go from appr. 700 mA to appr. 16 mA in low power. For this to work the EEPROM bootloader configuration has to be adapted.

### Default EEPROM bootloader configuration settings, low power settings in red

See also <https://www.raspberrypi.org/documentation/hardware/raspberrypi/bcm2711_bootloader_config.md>

BOOT\_UART=0

WAKE\_ON\_GPIO=1 -> 0

POWER\_OFF\_ON\_HALT=0 -> 1

DHCP\_TIMEOUT=45000

DHCP\_REQ\_TIMEOUT=4000

TFTP\_FILE\_TIMEOUT=30000

ENABLE\_SELF\_UPDATE=1

DISABLE\_HDMI=0 (can be set to 1 if HDMI is not used, makes no difference for low power though)

BOOT\_ORDER=0xf41

To view: rpi-eeprom-config  
To edit: sudo -E rpi-eeprom-config –edit

After editing, whether you changed anything or not, always issue a sudo reboot, otherwise the setting does not seem to have any effect.