gstreamer

debug

```
mkdir ./tmp
export GST_DEBUG_DUMP_DOT_DIR=./tmp/

# ... run pipeline

cd tmp
dot -Tpng x.xx.xx.xxxxxxxxx-gst-launch.FOO.dot > graph.png
```

show usb camera

```
v4l2-ctl --list-devices

v4l2-ctl --list-formats-ext -d /dev/video2
 ⏎ ✔ ⏎ 10055 ⏎ 14:40:36
ioctl: VIDIOC_ENUM_FMT
    Type: Video Capture

    [0]: 'GRBG' (8-bit Bayer GRGR/BGBG)
        Size: Discrete 1280x960
            Interval: Discrete 0.044s (22.500 fps)
        Size: Discrete 1280x720
            Interval: Discrete 0.033s (30.000 fps)
        Size: Discrete 640x480
            Interval: Discrete 0.013s (80.000 fps)
        Size: Discrete 320x240
            Interval: Discrete 0.006s (160.000 fps)

gst-launch-1.0 v4l2src device=/dev/video0 ! xvimagesink
```

rtsp client

```
gst-launch-1.0 \
  rtspsrc location=rtsp://foscam:foscam1@192.168.2.14:554/videoMain !
rtph264depay \
  ! h264parse ! avdec_h264 \
  ! videoconvert ! xvimagesink
```

hardware decode

```
F=videos/traffico01-1152x720-1610kb.mkv
gst-launch-1.0 filesrc location=$F ! matroskademux ! queue ! h264parse !
omxh264dec ! autovideoconvert ! xvimagesink
```

hardware encode

```
...  ! videoconvert ! omxh264enc ! matroskamux ! filesink location=test.mkv
```

From:
<https://wiki.csgalileo.org/> - **Galileo Labs**

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https://wiki.csgalileo.org/tips/gstreamer?rev=1563021667

Last update: **2019/07/13 14:41**