

Une utilisation de Motion avec un Raspberry

Objectif : visualiser les flux de deux caméras sur un Navigateur local.

Ci-dessous les fichiers de paramétrage « .conf » que j'ai utilisé pour cet exemple.

Fichiers configurations pour utilisation : Motion 4.2 Raspi3 système Stretch

Utilisation de 2 caméras, la fonction de déclenchement « Motion » n'est pas utilisée dans ce cas, ce n'était pas l'objectif, voir d'autres documents sur ce site.

La caméra 1 connectée au Raspi à travers un hub USB (caméra Sony)

La caméra 2 connectée au réseau local (wifi ou lan, c'est la même chose) caméra Dericam HD

Le flux de ces 2 caméras est visible sur le réseau local à travers un navigateur (ports 8082 et 8083)

3 fichiers de configuration sont nécessaires.

Fichier conf commun

```
# Rename this distribution example file to motion.conf
#
# This config file was generated by motion 4.2
# Documentation: /usr/share/doc/motion/motion_guide.html
#
# This file contains only the basic configuration options to get a
# system working. There are many more options available. Please
# consult the documentation for the complete list of all options.
#

#####
# System control configuration parameters
```

```
#####  
  
# Start in daemon (background) mode and release terminal.  
daemon off  
  
# Start in Setup-Mode, daemon disabled.  
  
setup_mode off  
v4l2_palette 15  
  
# File to store the process ID.  
pid_file /var/run/motion/motion.pid  
  
# File to write logs messages into. If not defined stderr and syslog is used.  
log_file /tmp/motion.log  
  
# Level of log messages [1..9] (EMG, ALR, CRT, ERR, WRN, NTC, INF, DBG, ALL).  
log_level 6  
  
# Target directory for pictures, snapshots and movies  
target_dir /var/lib/motion  
  
# Video device (e.g. /dev/video0) to be used for capturing.  
videodevice /dev/video0  
  
# Parameters to control video device. See motion_guide.html  
; vid_control_params value  
  
# The full URL of the network camera stream.  
; netcam_url value  
  
# Name of mmal camera (e.g. vc.ril.camera for pi camera).  
; mmalcam_name value  
  
# Camera control parameters (see raspivid/raspistill tool documentation)  
; mmalcam_control_params value  
  
#####
```

```

# Image Processing configuration parameters
#####

# Image width in pixels.
width 640

# Image height in pixels.
height 480

# Maximum number of frames to be captured per second.
framerate 15

# Text to be overlaid in the lower left corner of images
text_left CAMERA1

# Text to be overlaid in the lower right corner of images.
text_right %Y-%m-%d\n%T-%q

#####
# Motion detection configuration parameters
#####

# Always save pictures and movies even if there was no motion.
emulate_motion off

# Threshold for number of changed pixels that triggers motion.
threshold 1500

# Noise threshold for the motion detection.
; noise_level 32

# Despeckle the image using (E/e)rode or (D/d)ilate or (l)abel.
despeckle_filter EedDl

# Number of images that must contain motion to trigger an event.
minimum_motion_frames 1

# Gap in seconds of no motion detected that triggers the end of an event.

```

```

event_gap 60

# The number of pre-captured (buffered) pictures from before motion.
pre_capture 3

# Number of frames to capture after motion is no longer detected.
post_capture 0

#####
# Script execution configuration parameters
#####

# Command to be executed when an event starts.
; on_event_start value

# Command to be executed when an event ends.
; on_event_end value

# Command to be executed when a movie file is closed.
; on_movie_end value

#####
# Picture output configuration parameters
#####

# Output pictures when motion is detected
picture_output off

# File name(without extension) for pictures relative to target directory
picture_filename %Y%m%d%H%M%S-%q

#####
# Movie output configuration parameters
#####

# Create movies of motion events.
movie_output on

```

```

# Maximum length of movie in seconds.
movie_max_time 60

# The encoding quality of the movie. (0=use bitrate. 1=worst quality, 100=best)
movie_quality 100

# Container/Codec to used for the movie. See motion_guide.html
movie_codec mkv

# File name(without extension) for movies relative to target directory
movie_filename %t-%v-%Y%m%d%H%M%S

#####
# Webcontrol configuration parameters
#####

# Port number used for the webcontrol.
webcontrol_port 8080

# Restrict webcontrol connections to the localhost.
webcontrol_localhost off

# Type of configuration options to allow via the webcontrol.
webcontrol_parms 0

#####
# Live stream configuration parameters
#####

# The port number for the live stream.
#stream_port 8082

# Restrict stream connections to the localhost.
stream_localhost off
netcam_use_TCP on

#####
# Camera config files - One for each camera.

```

```
#####
camera /etc/motion/camera1.conf
camera /etc/motion/camera2.conf
; camera /etc/motion/camera3.conf
; camera /etc/motion/camera4.conf

#####
# Directory to read '.conf' files for cameras.
#n#####
; camera_dir /etc/motion
```

Fichier conf Camera1

Caméra USB voir [Note](#)

```
# /etc/motion/camera1.conf
#
# This config file was generated by motion 4.2

#####
# Configuration options specific to camera 1
#####
# User defined name for the camera.
camera_name MyCam1

# Numeric identifier for the camera.
camera_id 101
videodevice /dev/video0

# The full URL of the network camera stream.
#netcam_url rtsp://yourcamera1ip:port/camera/specific/url
#netcam_url http://192.168.1.39:8082
```

```
stream_port 8082
#stream_auth_method 0

webcontrol_localhost off
# Image width in pixels.
width 640

# Image height in pixels.
height 480
rotate 180

# Text to be overlaid in the lower left corner of images
text_left CAMERA 1

# File name(without extension) for movies relative to target directory
movie_filename CAM01_%t-%v-%Y%m%d%H%M%S
```

Fichier conf Camera2 Caméra réseau voir [Note](#)

```
# /etc/motion/camera2.conf
#
# This config file was generated by motion 4.2

#####
# Configuration options specific to camera 2
#####
# User defined name for the camera.
camera_name Dericam

# Numeric identifier for the camera.
camera_id 102
videodevice /dev/video1
```

```
target_dir /var/lib/motion

# The full URL of the network camera stream.
#netcam_url http://192.168.1.2:80
netcam_url rtsp://admin:pierre@192.168.1.47/11
netcam_keepalive on
netcam_use_TCP on
netcam_userpass admin:pierre
webcontrol_localhost off
stream_port 8083

# Image width in pixels.
#width 640
width 1280

# Image height in pixels.
#height 480
height 720

# Text to be overlaid in the lower left corner of images
text_left Camera2

# Text to be overlaid in the lower right corner of images.
text_right Patio\n%Y-%m-%d\n%T-%q

# File name(without extension) for movies relative to target directory
movie_filename CAM02_%t-%v-%Y%m%d%H%M%S
```

Note Uniquement les paramètres nécessaires à la fonction de cette caméra figurent dans ce fichier « conf »

