
domogik-plugin-yi

Release 1.0

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1.1 Purpose

This plugin can work only with a Xiaomi Yi Ants camera with a custom firmware installed. You can find this firmware at <https://github.com/fritz-smh/yi-hack>



With this plugin you can :

- get motion detection information
- download some 60 seconds video files when a motion is detected
- make the camera speak
- display the camera video in a web interface : the plugin will convert the **h264** video format which is not compliant with a web interface to the universal **mjpeg** video format.

1.2 Dependencies

To be able to convert the video file from **h264** to **mjpeg**, you will need to install the **ffmpeg** tool :

```
$ apt-get ffmpeg
```

to be able to make the camera speak, you will need to install the following packages:

```
$ sudo apt-get install libtts-picospico-utils
$ sudo apt-get install sox
```

1.3 Prerequisites

This plugin will need some temporary files to allow the live video conversion. You will need **1Go of free space per camera in /tmp**.

If you plan to make the plugin save the video files of detected motion, you will need to check you will have enough free space in the folder **/var/lib/domogik/domogik_packages/plugin_yi/publish/**.

1.4 Camera installation

Please follow the instructions from <https://github.com/fritz-smh/yi-hack>

You can freely unplug or reboot the camera while the plugin is running. The plugin will be able to reconnect automatically to the camera.

1.5 Plugin configuration

You will have to configure these parameters :

Key	Type	Description
ff-server_ip	string (ip or dns)	The ip or dns name of the server which will stream the video feed. This is the ip or dns that hosts this plugin. If you plan to access the video feed from internet, please use a public dns.
ff-server_port	number	The port on which the video feed will be streamed. If you plan to access the video feed from internet, please configure your internet router to redirect this port from internet to the server that hosts this plugin.
motion_files_history	number	The number of days of history you want to keep for video files of detected motions.

1.6 Create the domogik devices

1.6.1 Domogik device type : yi.yi

Two parameters are needed for each camera:

Key	Type	Description
ip	string (ip or dns)	The ip or dns name of your Xiaomi Yi Ants camera.
download_motion_files	boolean	Set to true if you want the plugin to download the video files.

1.7 Start the plugin

You can now start the plugin (start button) and use the created domogik devices.

1.8 Set up your widgets on the user interface

You can now place the widgets of your devices features on the user interface.

Development informations

This plugin can work only with a Xiaomi Yi Ants camera with a custom firmware installed. You can find this firmware at <https://github.com/fritz-smh/yi-hack>

Changelog

3.1 1.0

- Plugin creation