Merit LILIN Ent. Co., Ltd.

LILIN ONVIF SDK for Motion and Alarm Events

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Chapter 1. INTRODUCTION

Chapter 1-1. Overview

This document describes ONVIF integration for motion, alarm, and digital input & output interfaces.

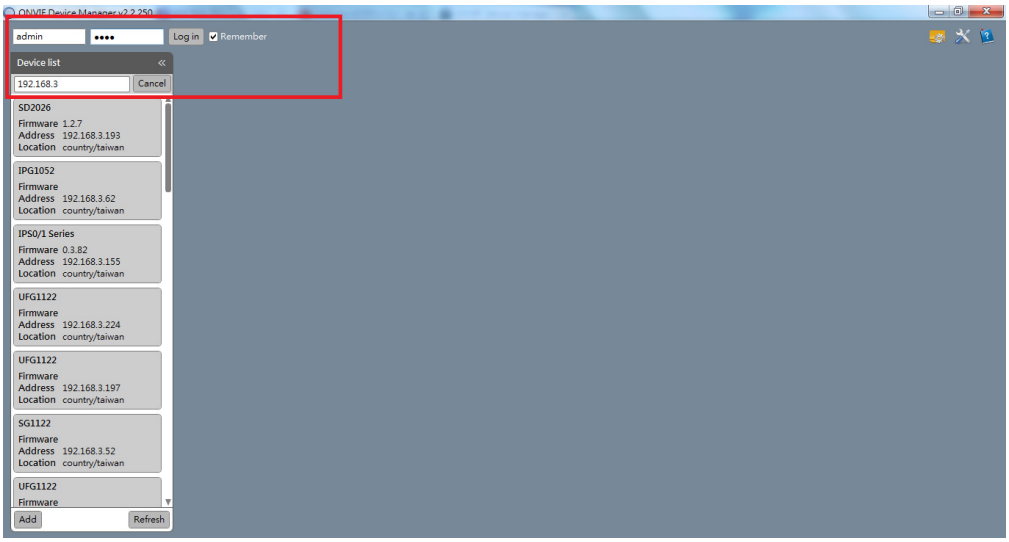
Chapter 1.1. Firmware versions

The support for this HTTPAPI document is highly dependent on the firmware release.

Chapter 1.2. ONVIF Device Manager

LILIN uses ONVIF Device Manager for calibrating and testing purpose. ONVIF Device Manager is the product of Synesis. ONVIF Device Manager is a free software distributed under the GNU General Public License. For more detail, visit http://synesis.ru.

After login to ONVIF Device Manager, use default username "admin" and password "pass" to login LILIN IP cameras.



Chapter 2. ONVIF for Motion and Alarm Notification

LILIN uses ONVIF events for motion and alarm notifications.

Chapter 2.1. ONVIF Event of ONVIF Device Manager

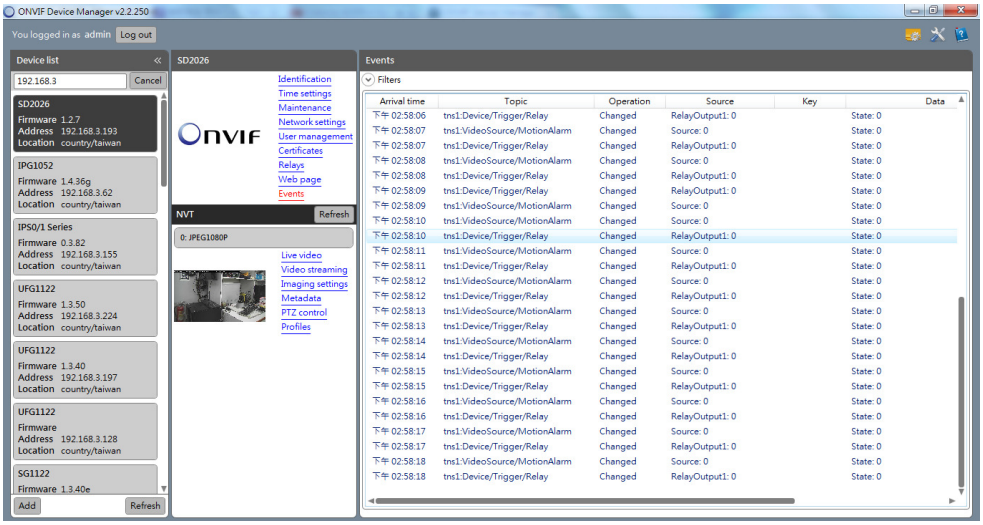
By default, LILIN's ONVIF events are enable on LILIN IP cameras. Third party software can receive motion and digital input information from LILIN IP cameras. LILIN's ONVIF event protocol details are described below:

Digital input of a camera

Topic	Source	Note
tns1:Device/Trigger/Relay	RelayOutput1: 0/1	1: triggered, 0: not triggered

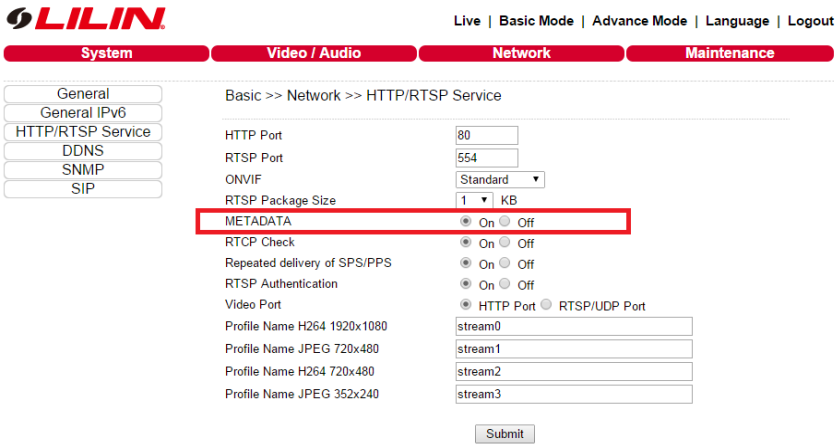
Motion detection of a camera

Topic	Source	Note
Tns1:VideoSource/MotionAlarm	Source: 0/1	1: motion detected, 0: not detected

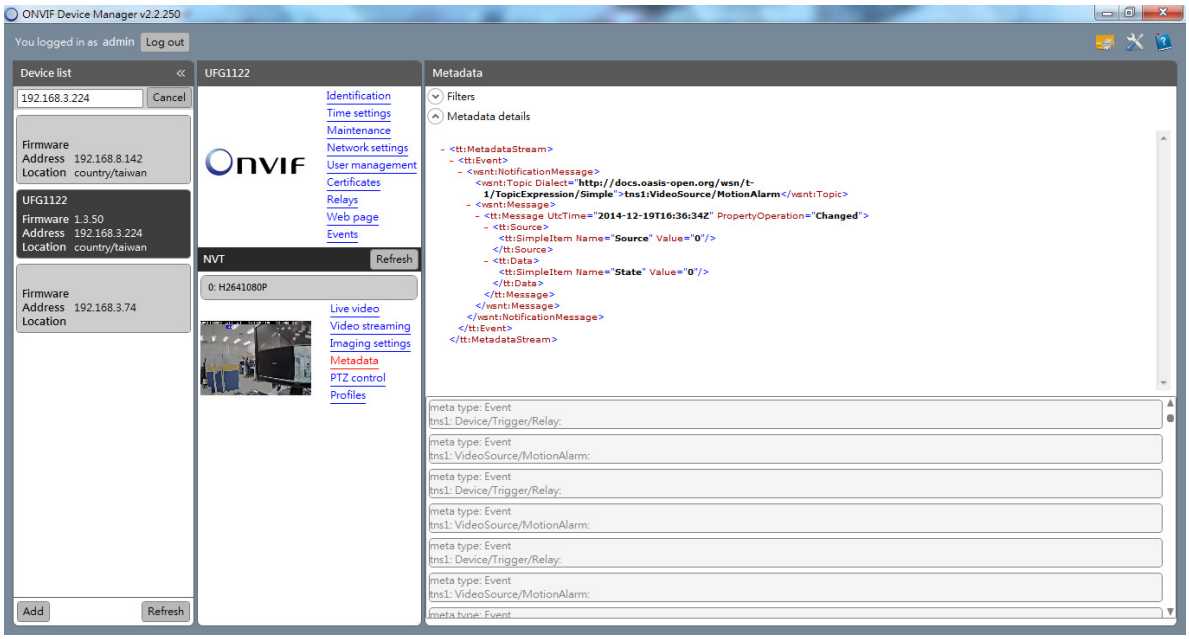


Chapter 2.2. ONVIF Metadata of ONVIF Device Manager

LILIN's IP cameras support metadata for event notification. Visit Advance Mode->Network->HTTP/RTSP Server and turn on metadata option.

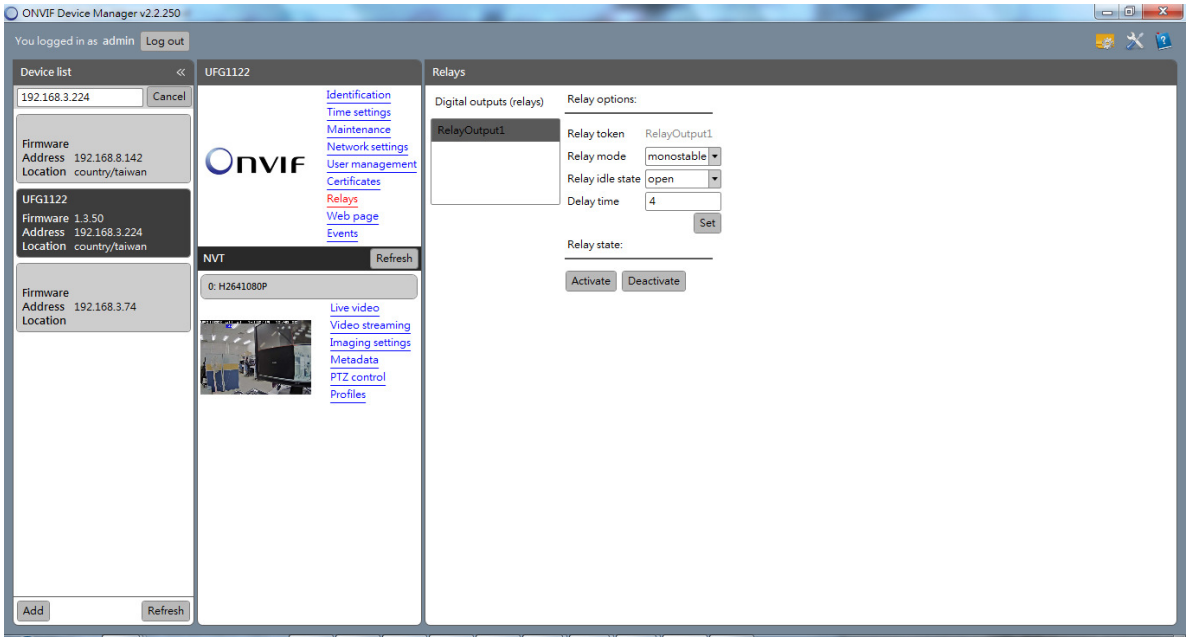


The results of motion and digital input can be trapped by ONVIF Device Manager.



Chapter 3. Relay Output

To trigger IP camera's relay output, please use ONVIF Device Manager to verify the result. Select Relays in ONVIF Device Manager. Click Active button that can trigger the relay of the camera. Relay mode and idle state of the relay can also be programmed via ONVIF Device Manager.


ONVIF Device Manager v2.2.250
You logged in as admin
Log out
Device list
192.168.3.224
Cancel
Firmware
Address 192.168.8.142
Location country/taiwan
UFG1122
Firmware 1.3.50
Address 192.168.3.224
Location country/taiwan
Firmware
Address 192.168.3.74
Location
Add
Refresh
UFG1122
Identification
Time settings
Maintenance
Network settings
User management
Certificates
Relays
Web page
Events
NVT
Refresh
0: H2641080P
Live video
Video streaming
Imaging settings
Metadata
PTZ control
Profiles
Relays
Digital outputs (relays)
RelayOutput1
Relay options:
Relay token RelayOutput1
Relay mode monostable
Relay idle state open
Delay time 4
Set
Relay state:
Activate
Deactivate