



iVSEC

INTELLIGENT VIDEO SECURITY

IVSEC Recorder Integration with Control 4

ABOUT THIS DOCUMENT

This document details how to add snapshot and rtsp strings to view IVSEC cameras on a Control 4 system

CHECK FOR FIRMWARE UPDATE (USING WEB BROWSER)

Login to the IVSEC recorder via Web browser using the recorder's IP address.

- 1 Click **Remote Setting**
- 2 Click **Maintenance** (located under the **System** menu)
- 3 Click **Upgrade**
- 4 Click **Detect**
- 5 If a new firmware version is available a message will appear. Click Upgrade. If prompted, enter your recorder password. The upgrade will take approx. 5 minutes. **DO NOT** power off the recorder during this process

The screenshot displays the IVSEC web interface. The top navigation bar includes 'Live', 'Playback', and 'Remote Setting' (highlighted with a green circle 1). The left sidebar contains a 'System' menu with 'Maintenance' highlighted (green circle 2). The main content area shows the 'Upgrade' button (green circle 3) and the 'Automatic Detection' section with a 'Detect' button (green circle 4). An 'Auto Upgrade' dialog box is open, displaying the message: 'There is a new version V8.2.3.2-20230323. Do you want to upgrade?' with an 'Upgrade' button (green circle 5) and a 'Cancel' button. A red warning message 'Don't close the browser' is visible at the bottom left of the dialog.

ENABLING ONVIF PROTOCOL ON IVSEC RECORDER

Login to the IVSEC recorder via Web browser using the recorder's IP address. Click **Remote Setting**

1 Click **Platform Access** (located under the Network menu)

2 Click **Onvif** tab (located under the Channel menu)

3 Set to enabled

4

- Authentication Type : **Digest/WSSE**
- Protocol : **HTTP/HTTPS**
- Username : **admin**
- Password : same as admin account for the NVR
- Click "**Save**"

The screenshot displays the web interface for configuring the Onvif protocol. The left sidebar shows the navigation menu with 'Platform Access' selected. The main area shows the 'Onvif' configuration page. The 'Enable' toggle is turned on. The 'Authentication Type' is set to 'Digest/WSSE' and the 'Protocol' is set to 'HTTP/HTTPS'. The 'Username' is 'admin' and the 'Password' is masked. The 'Save' button is highlighted, indicating the final step in the configuration process.

IVSEC SNAPSHOT AND RTSP STRINGS

Use the Control 4 System Design and enter the details depending on if you are using an IVSEC recorder with cameras or IVSEC cameras without a recorder

IVSEC NVR Snapshot String

<http://NVRIPADDRESS:80/onvif/snapshot?channel=x>

NOTE: channel=x (x = 1, 2, 3, 4 based on camera channel number in NVR)

IVSEC NVR RTSP string

<rtsp://NVRIPADDRESS:80/rtsp/streaming?channel=01&subtype=1>

NOTE: channel=0x (0x = 01, 02, 03, 04 based on camera channel number in NVR)

IVSEC Camera Snapshot String

<http://CAMERAIPADDRESS:80/API/OnvifSnapshot/Get>

IVSEC Camera RTSP String

<rtsp://CAMERAIPADDRESS:554/ch01/1>

System Design

System

- Lower Lounge
- Pool
- Guest
- Garage
- Bathroom
- Gym
- Front Gate
- First
- Rack
 - EA-5
 - Digital Media
 - Tuneln
 - My Music
 - My Movies
 - Stations
 - Channels
 - Foxtel Channels
 - PC (Serial) Interface
 - Free-to-Air TV
 - Modulator
 - Voice Scene
 - Foxtel IQ3
 - TIDAL
 - Deezer
 - Blustream Matrix 4 x
 - AppleTV
 - Amplifier
 - Garages**
 - Driveway
 - Front Gate
 - Pool
 - Backyard
 - CCTV Recorder

System Design

Connections

Properties

Properties

Address

Hostname / IP Address: 192.168.1.147 Set

HTTP Port: 80 Set

HTTPS Port: 443 Set

RTSP (H.264) Port: 554 Set

Snapshot Refresh Rate: 60 Sec. Set

Publicly Accessible:

Use HTTPS:

Authentication

Required:

Username: admin Set

Password: •••••••• Set

Type: Digest

Aspect Ratio: 16x9

Advanced Properties

Properties Documentation Lua

Still JPEG URL: API/Onvif/Snapshot/Get

MJPEG URL:

H264 URL: ch01/1

Log Level: 2 - Warning

Log Mode: Off

Items

- Locations
 - Sites
 - Home
 - Work
 - Corporate
 - Buildings
 - House
 - Building
 - Office
 - Floors
 - Main
 - First
 - Second
 - Basement
 - Rooms
 - Theater
 - Foyer
 - Living
 - Dining
 - Kitchen
 - Laundry
 - Bathroom
 - Bedroom
 - Front
 - Garage
 - Room

System Design

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Properties

Camera Properties Camera Test

Test

Get Snapshot URL X 640 x Y 480
http://192.168.1.147:80/API/OnvifSnapshot/Get Test

Get MJPEG URL X 320 x Y 240 Rate (fps) 5
http://192.168.1.147:80/ Test

Get Video URL X 320 x Y 240 Rate (fps) 15
rtsp://192.168.1.147:554/ch01/1 Test

Status:

Advanced Properties

Properties Documentation Lua

Still JPEG URL	API/Onvif Snapshot/Get
MJPEG URL	
H264 URL	ch01/1
Log Level	2 - Warning
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