

## [FAQ]

# How to add an Axis camera to GV-DVR/NVR through the ONVIF protocol?

**Article ID: GV1-13-06-17-k**

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### Applied to

GV-DVR/NVR V8.5.7.0 or above

### Question

How to add an Axis camera to GV-DVR/NVR through the ONVIF protocol?

### Answer

To add an Axis camera to GV-DVR/NVR using ONVIF protocol, you need to follow the sections below.

#### 1. Enable the ONVIF Protocol on an AXIS Camera

Please refer to the link below to make sure ONVIF protocol has been enabled on the camera: (AXIS ID FAQ116393)

<http://www.axis.com/techsup/faq/index.php/?action=artikel&&cat=175&id=115393&artlang=en&highlight=&PHPSESSID=f55995c88111c1dc7c79c8a90817f9b3>

ONVIF and VAPIX are enabled by default. If the product is first accessed via VAPIX (typically via the products web interface), ONVIF will automatically be disabled.

If ONVIF shall be used in the system:

Access the camera via ONVIF after factory default (before it's accessed via VAPIX).

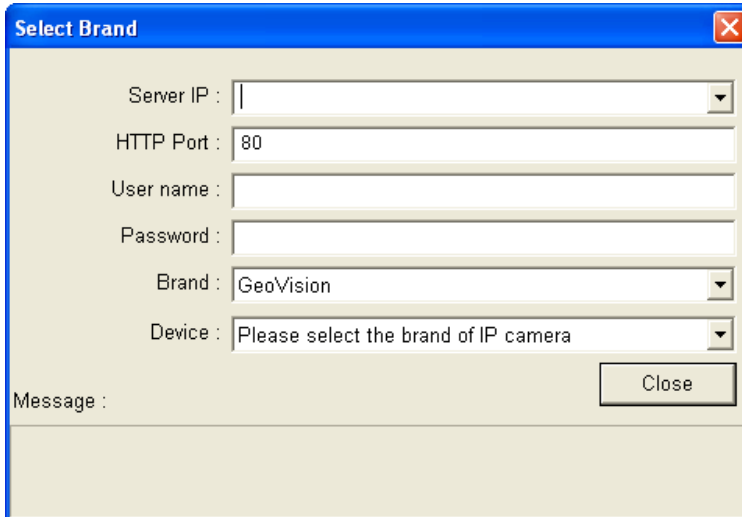
**Enable the parameter Webservices in Advanced > Plain config > Webservices**

This is **valid for products running firmware versions prior to 5.40.**

For products running **firmware version 5.40 and higher**, ONVIF access is disabled as soon as the root's password is configured and to enable it an **ONVIF user needs to be added under System Options > Security > ONVIF.**

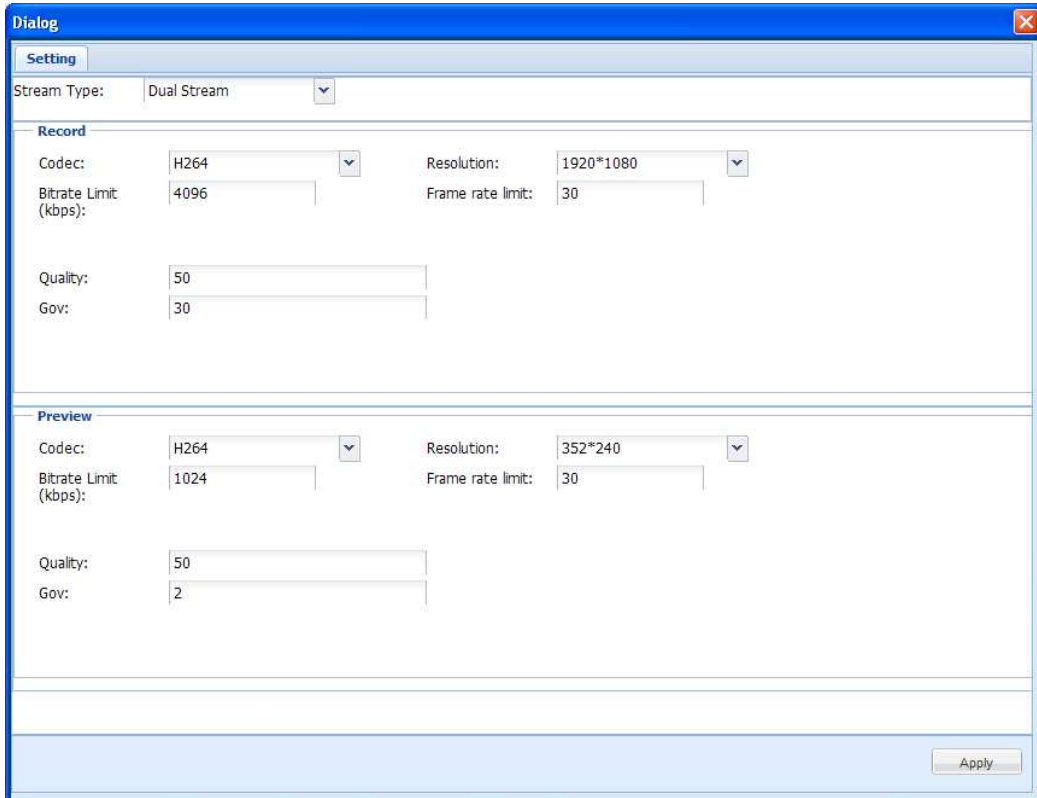
**2. Add a Third-party Camera into GV-DVR/NVR through ONVIF Protocol**

- a. On the main screen, click the **Configure** button, select **System Configure**, select **Camera Install**, and select **IP Camera Install**.
- b. Click **Add Camera**. This dialog box appears.



- c. Type the **IP** address, **User name**, and **Password** of the camera.
- d. For Brand, select **Protocol** and for Device, select **ONVIF**. A dialog box appears.

- e. Change the Record and Preview settings if necessary.



**Dialog**

Setting

Stream Type: Dual Stream

**Record**

Codec: H264 Resolution: 1920\*1080

Bitrate Limit (kbps): 4096 Frame rate limit: 30

Quality: 50

Gov: 30

**Preview**

Codec: H264 Resolution: 352\*240

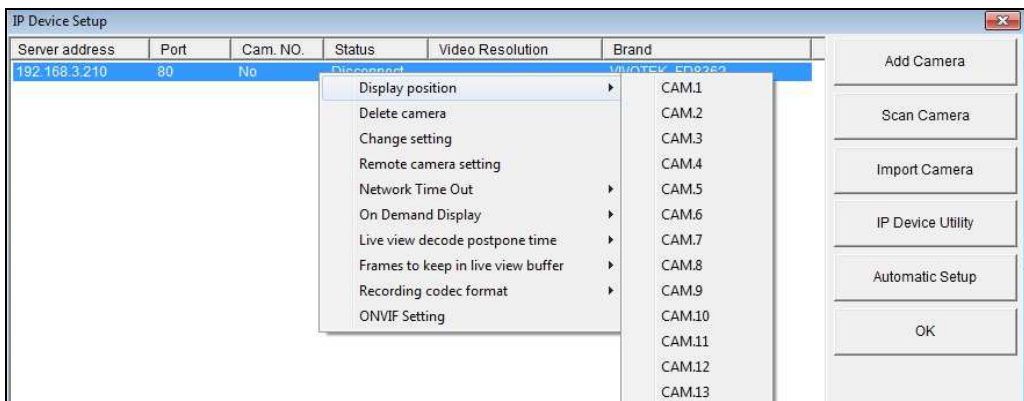
Bitrate Limit (kbps): 1024 Frame rate limit: 30

Quality: 50

Gov: 2

Apply

- f. Click **Submit**. The IP camera is now added to the camera list.
- g. Click the IP camera that you just added and right-click it. Select **Display Position** and select a camera number to assign a channel for it.



**IP Device Setup**

Server address	Port	Cam. NO.	Status	Video Resolution	Brand
192.168.3.210	80	No	Disconnect		UNITEK 5MP250

- Display position
- Delete camera
- Change setting
- Remote camera setting
- Network Time Out
- On Demand Display
- Live view decode postpone time
- Frames to keep in live view buffer
- Recording codec format
- ONVIF Setting

- CAM.1
- CAM.2
- CAM.3
- CAM.4
- CAM.5
- CAM.6
- CAM.7
- CAM.8
- CAM.9
- CAM.10
- CAM.11
- CAM.12
- CAM.13

Add Camera

Scan Camera

Import Camera

IP Device Utility

Automatic Setup

OK

- h. Click **OK** to return to the main screen and see live view on the designated channel.