

[FAQ]

How to expand the GV-Hybrid DVR to have more IP channels?

Release Date: 10/18/2010

Applied to

GV-Hybrid DVR of versions earlier than V8.4

Question

What can I do to expand my GV-Hybrid DVR to have more IP channels?

Answer

You can use the following USB dongles to expand your GV-Hybrid DVR to have more IP channels. For GV-Hybrid DVR of versions earlier than V8.4, there are three types of USB dongles available as listed below.

1. **NVR (GV) Dongle:** This is used only for GeoVision IP video devices, including GV-IP Camera, GV-Compact DVR and GV-Video Server.
 - The dongle options include: 4, 8, 12, 16, 20, 24, 28, 32 IP channels.
2. **NVR Dongle:** This is used for third-party IP video devices.
 - The dongle options include: 1, 2, 4, 6, 8, 10, 12, 14, 16, 18, 20, 22, 24, 26, 28, 30, 32 IP channels.
3. **Combo Dongle:** This is used for a mix of GeoVision and third-party IP video devices.

The Hybrid solution provides you 8 free IP channels for GeoVision IP video devices, with the limit of 32 channels in total.

For example:

Number of analog channels + 8 free GV IP channels + Number of channels in USB dongle (NVR(GV), NVR or Combo Dongle) <= 32 channels.

How to do

You can refer to the following descriptions to find the suitable USB dongle for your Hybrid system. For these three dongles to work, it is required to install drivers from the software CD.

- 1. Connection of GV IP devices to GV-System:** To receive the video streaming of 8 channels or less from GeoVision IP video devices, there is no need to use an extra USB dongle. If more than 8 GV IP channels are required, you need a **NVR (GV) Dongle**.
 - The dongle options include: 4, 8, 12, 16, 20, 24 IP channels.

In this case, the total number of channels for your Hybrid system is: [Number of analog channels + 8 free GV IP channels + Number of channels in your NVR \(GV\) Dongle <= 32 channels.](#)
- 2. Connection of third-party IP devices to GV-System:** To implement the Hybrid solution with third-party IP video devices, you need a **NVR Dongle**.
 - The dongle options include: 1, 2, 4, 6, 8, 10, 12, 14, 16, 18, 20, 22, 24, 26, 28, 30, 32 IP channel(s).

In this case, the total number of channels for your Hybrid system is: [Number of analog channels \(+ 8 free GV IP channels\) + Number of channels in your NVR Dongle <= 32 channels.](#)
- 3. Connection of both GV and third-party IP devices to GV-System:** To implement the Hybrid solution with a mix of GeoVision and third-party IP video devices, you need a **Combo Dongle**.
 - The dongle options are the combined options of **NVR (GV) Dongle** and **NVR Dongle**. Inform your sales representative the exact number of third-party IP channels and additional GV IP channels you need, so the **Combo Dongle** can be delivered upon your requirements.

For example, you need 8 third-party IP channels plus 8 additional GV IP channels, so the number of channels in the requested Combo Dongle is 16. The total number of channels for your Hybrid system will be: **Number of analog channels + 8 free GV IP channels + Number of channels in your **Combo Dongle** (e.g. 16) <= 32 channels.**