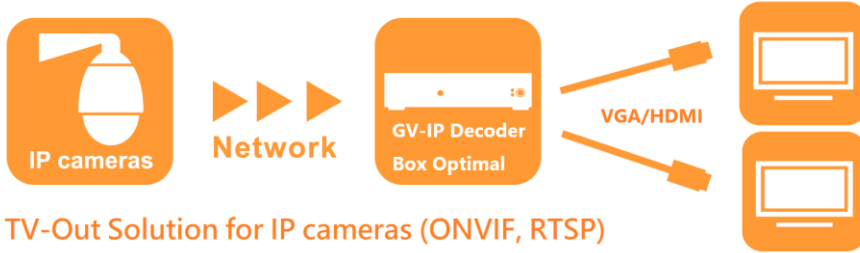


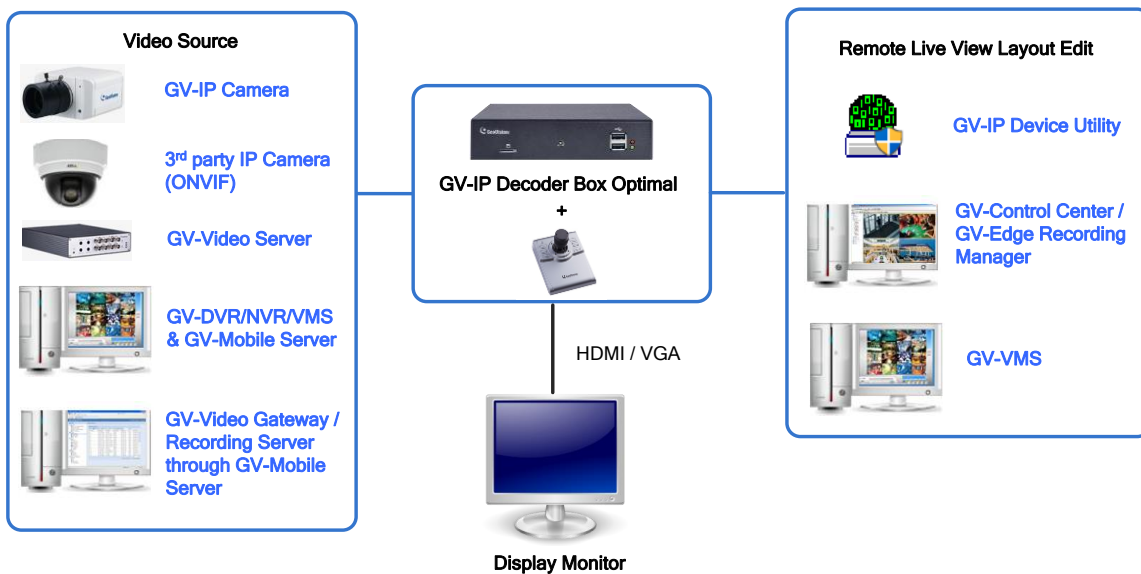
GV-IP Decoder Box Optimal



TV-Out Solution for IP cameras (ONVIF, RTSP)

Introduction

GV-IP Decoder Box Optimal is designed to decode and display up to 64 IP videos in a single, 4-division, 6-division, 8-division, 9-division, and 16-division view. It supports third-party IP cameras that adhere to RTSP or ONVIF, and can automatically search for any ONVIF-compliant on the same LAN. With HDMI and VGA output ports, dual monitor display is made accessible, allowing the live view of cameras to loop on the extended screen for a more effective surveillance environment. The security administrator can monitor channels, take snapshots of critical moments, and pause a channel when events occur. GV-Joystick V2 can be installed to control any PTZ / Speed Dome cameras connected onto the GV-IP Decoder Box Optimal.



Features

- Decode video streams in H.264 / H.265 codec up to 60 fps (1-ch max.)
- Decode up to 8-megapixel IP cameras
- Decode up to 64 IP streams
- Auto-search for ONVIF IP devices
- Support for third-party IP cameras that adhere to RTSP or ONVIF
- Single, 4-division, 6-division, 8-division, 9-division, and 16-division view
- Display of Matrix view through GV-Mobile Server
- Support for 10/100 Ethernet over LAN
- DC 12V / PoE (IEEE 802.3af)
- Dual monitor display for HDMI and VGA outputs
- User interface controls using GV-IR Remote Control
- PTZ and Speed Dome camera control using GV-Joystick V2
- Remote firmware upgrade, IP address configuration, and addition of new channel
- Micro SD card and USB drive for snapshot storage and firmware upgrade
- Support for camera and layout assignment remotely from GV-VMS, GV-Control Center, GV-Edge Recording Manager
- Support for 10 languages

Specifications

Video		
Video Codec	H.264, H.265	
Audio Codec	G.711	
Maximum Resolution	1-ch Division	3840 x 2160: up to 30 fps, 30 fps in total (1 CH max.) 1920 x 1080: up to 60 fps
	4-ch Division (Quad View)	Grid 1: 2560 x 1920, Other 3 grids: 1920 x 1080 Up to 30 fps, 120 fps in total (4 CH max.)
		Grid 1: 1920 x 1080: up to 60 fps Other 3 grids: 1920 x 1080, up to 30 fps
	6-ch Division	1280 x 720: up to 30 fps, 180 fps in total (6 CH max.)
	8-ch Division	1280 x 720: up to 30 fps, 240 fps in total (8 CH max.)
	9-ch Division	1280 x 720: up to 30 fps, 270 fps in total (9 CH max.)
16-ch Division	640 x 480: up to 30 fps, 480 fps in total (16 CH max.)	
Video Output	HDMI	3840 x 2160 / 1920 x 1080
	VGA	1920 x 1080
Network		
Interface	10/100 Ethernet	
Protocol	ONVIF, RTSP, TCP	
Mechanical		
Connectors	Power Adapter	12V DC Jack
	Ethernet	RJ-45
	Monitor Output	HDMI / VGA
	Memory Card	Micro SD/SDHC card slot (for Class 4 or above, FAT32 and NTFS formats)
	USB 2.0	USB slot x 2 (2.0 backward compatible, FAT32 format)
General		
Operating Temperature	0°C ~ 40°C (32°F ~ 104°F)	
Operating Humidity	20% ~ 80% (with no condensation)	

Weather Resistance	Indoor use only
Dimensions (W x H x D)	162.3 x 112.6 x 36.5 mm (6.4" x 4.4" x 1.4")
Net Weight	558 g (1.23 lb)
Power	DC 12V / PoE (IEEE 802.3af)
Power Consumption	36 W (max. 3 A at 12V DC)
Certification	CE, FCC, RCM, LVD, UKCA compliant
Language	English / French / German / Italian / Japanese / Polish / Portuguese / Russian / Spanish / Traditional Chinese
Applications	
Software Supported	GV-VMS (V17.4.8 / V18.3.3 or later), GV-Edge Recording Manager (Windows Version, V2.2.8 or later), GV-Control Center (V4.2.1 or later)

Note:

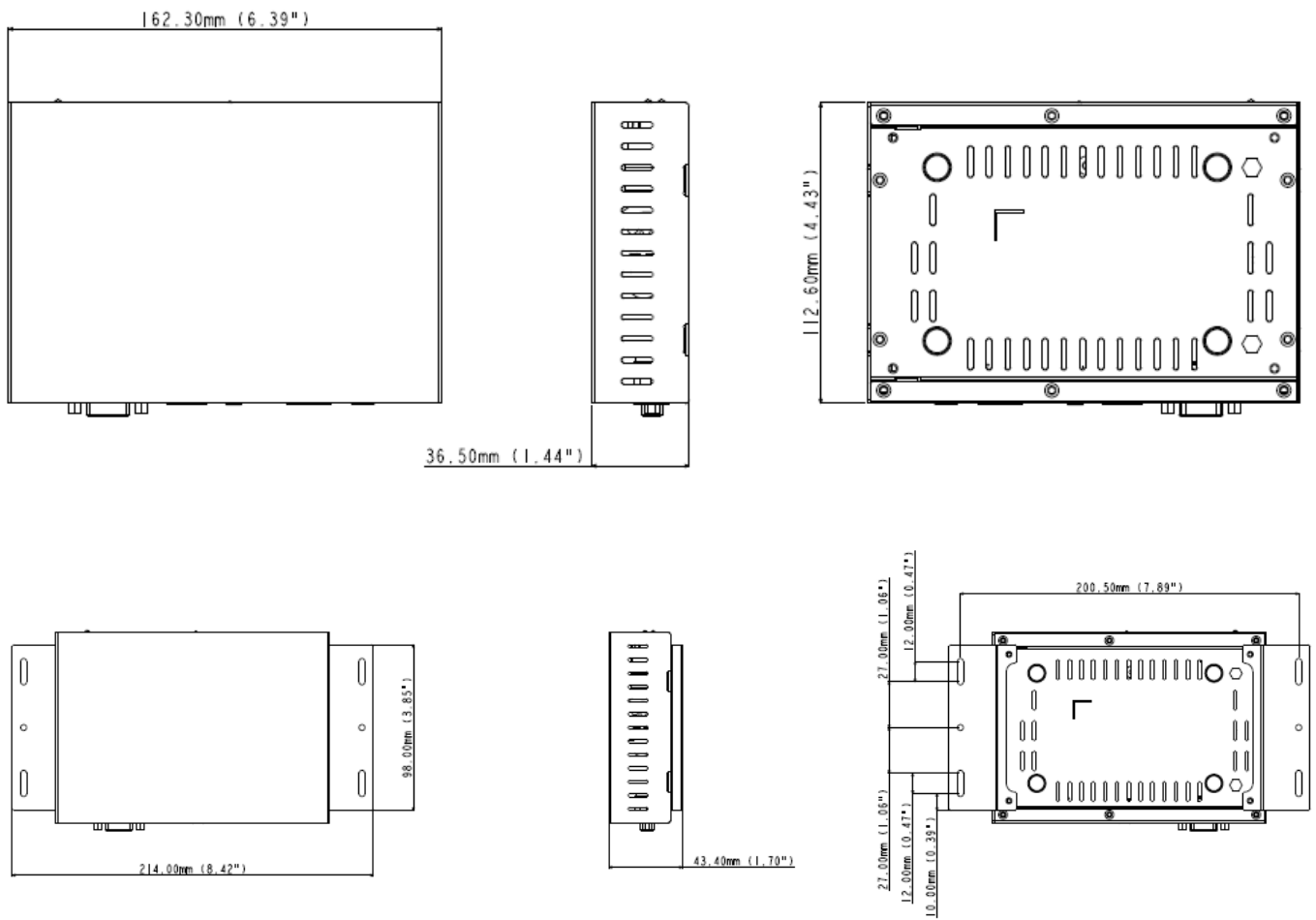
1. To ensure a smooth operation, the bitrate of each channel should be below 6 Mbps (for 16-CH division, the bitrate should be below 3 Mbps).
2. Support for camera and layout assignment remotely from GV-Software is only available for GV-VMS V17.4.8 / 18.3.3, GV-Control Center V4.2.1, GV-Edge Recording Manager V2.2.8 or later versions.
3. Up to 64 cameras are supported for each screen division when GV-IP Decoder Box Optimal is added to GV-VMS / GV-Control Center / GV-Edge Recording Manager.
4. 16-CH division display and 60 fps resolution are only supported by firmware V1.04 or later.
5. Specifications are subject to change without notice.

Compatible Devices

1. GV-IP Camera and GV-Video Server
2. Third-party IP devices supporting H.264 / H.265 and adhering to RTSP or ONVIF
3. GV-Mobile Server
4. GV-VMS

To decode and display non-H.264 / H.265 IP channels or GV-FER12203 / 12700, connect the devices to GV-NVR / VMS and access them through GV-Mobile Server.

Dimensions



Overview




Front View



Rear View



Accessories

Name	Details
<p>GV-Joystick V2</p> 	<p>GV-Joystick V2 facilitates focusing, zooming, panning, tilting of GeoVision and third-party PT, PTZ and Speed Dome cameras connected on GV-IP Decoder Box Optimal.</p>
<p>GV-POE Switch</p>	<p>GV-POE Switch is designed to provide power along with network connection for IP devices. The GV-POE Switch is available in various models with different numbers and types of ports.</p>
<p>HDMI Cable</p> 	<p>Use the HDMI cable to connect GV-IP Decoder Box Optimal with a HDMI monitor for high-quality display of images. Length: 150 cm (4.92 ft) Version: 1.4a</p>
<p>Power Adapter</p>	<p>Contact our sales representatives for the countries and areas supported.</p>
<p>Wall Mount Kit</p> 	<p>Use the Wall Mount Kit to install your GV-IP Decoder Box Optimal on wall.</p>

Packing List

- GV-IP Decoder Box Optimal
- GV-IR Remote Control
- Download Guide
- Warranty Card