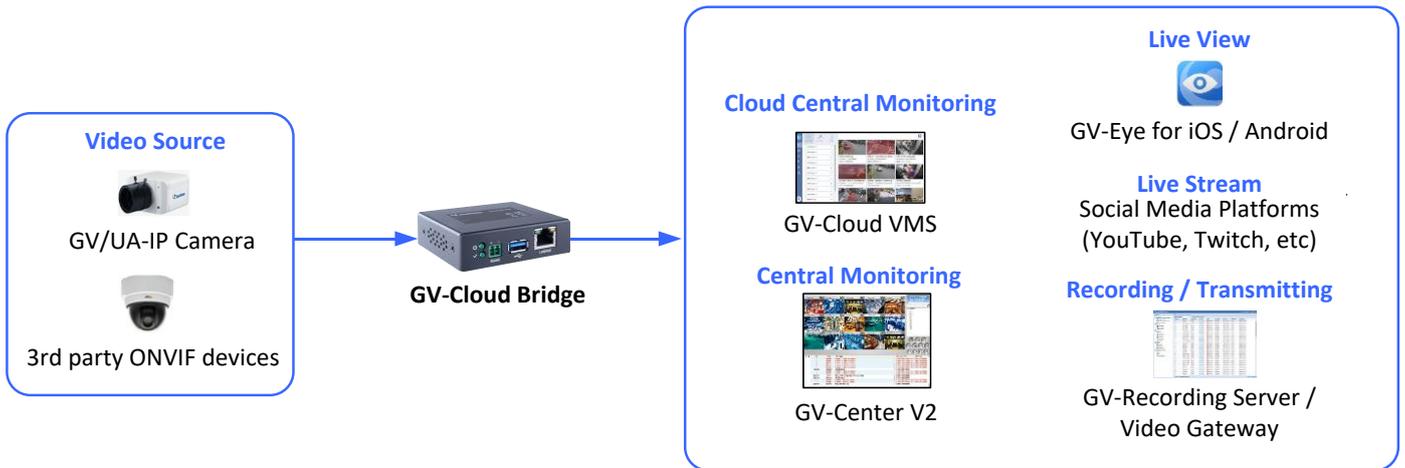


GV-Cloud Bridge

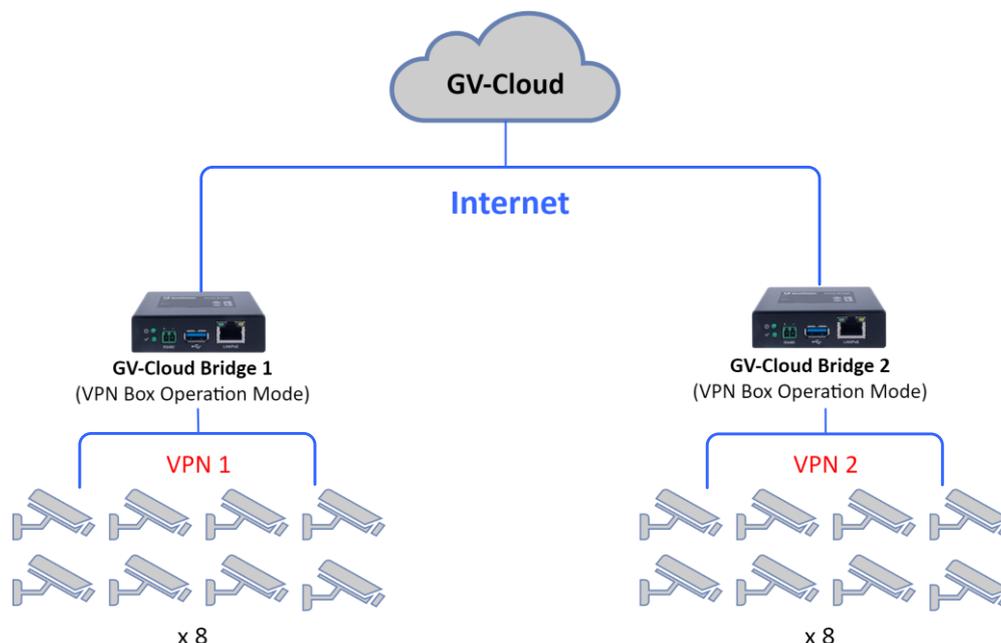


Introduction

GV-Cloud Bridge is an encoder that connects any ONVIF or GV/UA-IP camera to the GeoVision software and mobile app for integrated monitoring and administration. Using GV-Cloud Bridge, you can link the cameras to GV-Cloud VMS / GV-Center V2 for central monitoring and to GV-Recording Server / Video Gateway for recording and streaming management. With a simple QR code scan, you can also link GV-Cloud Bridge to the GV-Eye mobile app for live monitoring anytime, anywhere. Additionally, you can use GV-Cloud Bridge to stream the cameras to social media platforms like YouTube, Twitch and others to meet your live broadcasting demands.



The GV-Cloud Bridge's VPN Box Operation Mode allows you to create a virtual private network environment for devices on same LAN, eliminating the need for port forwarding.



Note:

1. This VPN mode is not limited to IP cameras. Any networked device can connect.
2. To maintain a steady connection, make sure the total bandwidth of all connected devices does not exceed 15 Mbps.

Key Features

- Support for any ONVIF cameras
- Connecting cameras to GV-Center V2 / GV-Cloud VMS for central monitoring
- Connecting cameras to GV-Recording Server / Video Gateway for large-scale video recording and transmitting
- Up to 8 IP devices supported with GV-VPN for a secure virtual private network
- Up to 8 sensor inputs and 8 alarm outputs supported from connected cameras and GV-IO Boxes
- Video integration with GV-Cloud Access Control via GV-AS Bridge
- Smartphone app support for live monitoring and event alerts
- Live broadcasting on YouTube, Twitch, etc.

Compatible Products

- **Camera:** GV-IP cameras and ONVIF cameras
- **Cloud Controller:** GV-AS Bridge
- **Software:** GV-Center V2 V18.2 or later, GV-Recording Server / Video Gateway V2.1.0 or later, GV-Dispatch Server V18.2.0A or later, GV-Cloud VMS, GV-VPN V1.1.0 or later
- **Mobile App:** GV-Eye

Note:

1. To connect GV and 3rd-party IP cameras without GV-Center V2 settings to connect to GV-Center V2, use GV-Cloud Bridge. For compatible IP Cameras that support AI events on GV-Center V2 AI through a GV-Cloud Bridge connection, refer to this [document](#).
2. To connect GV and 3rd-party IP cameras to GV-Cloud VMS, use GV-Cloud Bridge. For compatible IP Cameras that support AI Search on GV-Cloud VMS through a GV-Cloud Bridge connection, refer to this [document](#).
3. To access 3rd party IP cameras using the GV-Eye app, use GV-Cloud Bridge.
4. To allow 3rd party IP cameras to establish passive connections to GV-Recording Server / Video Gateway without port forwarding, use GV-Cloud Bridge.

5. When working with GV-Center V2 and GV-Dispatch Server,
 - GV-Center V2 Standard / Pro used alone, or GV-Center V2 Pro used with GV-Dispatch Server Standard, do not support AI and PVD events.
 - GV-Center V2 AI used with GV-Dispatch Server AI supports AI and PVD events.

Specifications

Video		
Video Format	H.265, H.264	
Audio Format	G.711	
Network		
Interface	10/100 Ethernet	
Protocol	DHCP, DNS, HTTP, ICMP, IPv4, NTP, RTMP, TCP/IP, UDP	
Mechanical		
Connector	Power	2-pin terminal block
	Ethernet	RJ-45
	USB	USB 2.0, max 2 TB (FAT32 / exFAT)
	RS-485	Not functional
LED Indicator	2 LEDs: Power, Status	
General		
Environment Temperature	Start-up	-0°C ~ 60°C (32°F ~ 140°F)
	Operation	
Humidity	10% to 90% (no condensation)	
Power Source	12V DC, 1.25A / PoE (IEEE 802.3af)	
Max. Power Consumption	7 W	
Dimensions	77 x 22 x 70 mm (3.06" x 0.86" x 2.75")	
Weight	173 g (0.38 lb)	
Certification	CE, FCC, LVD, RoHS compliant	
Power over Ethernet		
PoE Standard	PoE (IEEE 802.3af)	
PoE Power Supply Type	End-Span and Mid-Span	
PoE Power Output	Per Port 48V DC, 320Ma, Max. 15.4 watts	
Web Interface		
Installation Management	Web-based configuration	
Maintenance	Firmware upgrade through GV-IP Device Utility	
Access from Web Browser	Camera Live View, Image Snapshot, Audio, Picture in Picture, Stats (Codec, Resolution, Audio, Bitrate, FPS, Client)	
Feature	GV-Cloud VMS	Basic / Standard License: 4 Premium License: See <i>Maximum Number of Channels / Frame Rate and Bitrate Supported by GV-Cloud VMS Premium License Plans</i> section below (only applicable to V1.10 or later)
	Max. Number of Cameras	GV-Center V2 / GV-Recording Server / Video Gateway / RTMP Streaming GV-Center V2: 4 GV-Recording Server / Video Gateway: 4 RTMP streaming: 2
	GV-VPN	8 mapping devices, a total of max. 15 Mbps
	Max. Streaming Bitrate	6 Mbps each channel *For GV-Cloud VMS V1.10 or later, see <i>Maximum Number of Channels / Frame Rate and Bitrate Supported by GV-Cloud VMS Premium License Plans</i> section below.
	Max. Number of GV-IO Box (4E / 8E / 16E)	4 PCS
	Max. Number of Virtual I/O	8 in / 8 out from cameras and GV-IO Box
	Max. Number of User Accounts	32
Language	English	
Browser Supported	Chrome, Firefox, Safari, Mobile App	
3 rd Party IP Camera Support	Yes (ONVIF)	

Application	
Software Supported	GV-Recording Server / Video Gateway (V2.1.1 or later), GV-Cloud VMS (V1.0.0 or later), GV-Dispatch Server (V18.2.0A or later), GV-Center V2 (V18.4.1 or later), GV-VPN (V1.1.0 or later), GV-IP Device Utility (V8.9.4 or later)
Smart Device Access	GV-Eye for iOS and Android (V3.2.0 or later)

- Note:**
1. GV-Cloud Bridge is not compatible with Internet Explorer.
 2. Video compression of H.264 is required for RTMP streaming.
 3. Make sure to insert a USB flash drive (FAT32 / exFAT) to GV-Cloud Bridge for sending playback recordings to GV-Center V2 / GV-Cloud VMS.
 4. For optimal performance, it is suggested to use USB flash drive (FAT32). Once the USB flash drive (exFAT) is formatted, it will be automatically converted into FAT32.
 5. Industrial-grade USB flash drives are suggested to avoid event recording writing failure.
 6. External hard disk drives are not supported.
 7. GV-Cloud Bridge supports sending snapshots and video attachments to GV-Cloud VMS upon motion detection from 3rd party ONVIF IP cameras.
 8. Specifications are subject to change without notice.

Maximum Number of Channels / Frame Rate and Bitrate Supported by GV-Cloud VMS Premium Licenses

The maximum number of channels supported varies by each GV-Cloud VMS Premium License (SD, 720p, 2M, 2M / 30F, 4M, 4M / 30F) and camera resolution, and each license specifies a frame rate and bitrate limit, as listed in the table below. For details on how to choose an appropriate license for your camera, see *1.4 Selecting a Suitable GV-Cloud VMS Premium License by Camera Resolution* in the [Installation Guide](#).

Camera Resolution	GV-Cloud VMS Premium License					
	SD (640*480)	720p	2M	2M / 30F	4M	4M / 30F
	30 FPS + 512 Kbps	30 FPS + 1 Mbps	15 FPS + 1 Mbps	30 FPS + 2 Mbps	15 FPS + 2 Mbps	30 FPS + 3 Mbps
Maximum Channels Supported						
8 MP	1 CH	1 CH	1 CH	1 CH	N/A	
5 / 4 MP	2 CH	2 CH	N/A		2 CH	1 CH
2 MP	2 CH	2 CH	3 CH	1 CH	N/A	
1 MP	2 CH	2 CH	N/A		N/A	

Note: The premium licenses are only available for GV-Cloud VMS V1.10 or later.

Packing List

1. GV-Cloud Bridge
2. Terminal Block
3. Download Guide

Accessories

Model No.	Name	Details
GV-IO Box Series		GV-IO Box series provides 4 / 8 / 16 inputs and relay outputs, and supports both DC and AC output voltages, with optional support for Ethernet module and 4E additionally supporting PoE connection.
GV-PA191		GV-PA191 is a Power over Ethernet (PoE) adapter designed to provide power to the IP device through a single Ethernet cable.
GV-POE Switch		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.

Industrial-Grade USB
Flash Drive
Power Adapter

The industrial-grade USB flash drive features 112-layer NAND flash and a USB 3.1 Gen interface. It is suitable to store video recordings with stable performance.
Contact our sales representatives for the countries and areas supported.

Dimensions

