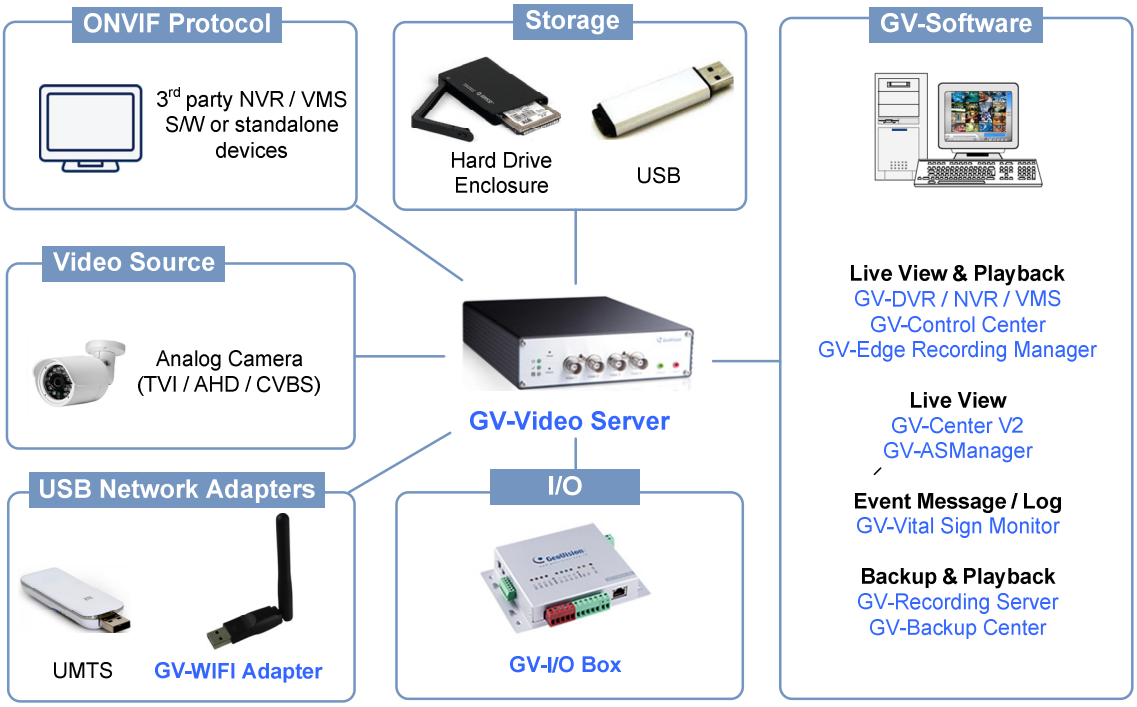
GV-VS2800 8CH H.264 TVI 1080p Video Server



- H.264
- 8-channel TVI 18 fps at 3 MP, 15 fps at 4 MP and 12 fps at 5 MP
- 8-channel TVI 1080p / 720p and analog 960H / D1 real-time video
- 12V DC
- Tampering Alarm
- USB HDD Storage
- UMTS / 3G / 3.5G / 4G
- Automatic switch between WiFi and 3G / 4G
- Smart streaming
- Supports over 50 PTZ models
- 29 languages on Web interface
- HD-TVI (1.0 / 2.0 standard)
- ONVIF (Profile S) conformant

*Smart streaming is only supported by GV-DVR / NVR V8.7.0.0 or later and GV-VMS V16.10.3 or later

GV-VS2800 is a powerful H.264 Video Server with compact size and supports 8 channels of TVI 18 fps at 3 M, 15 fps at 4 M and 12 fps at 5 M, 1080p / 720p and analog 960H / D1 real-time video. It can be fully integrated with GV-DVR / NVR / VMS to form a powerful IP surveillance solution. GV-VS2800 converts analog signals into high-resolution digitized images up to 4 megapixels and supports over 50 PTZ models to fulfill various project demands. It can record videos to a local USB storage, performing as a compact video recorder. It is also able to trigger Tampering Alarm alerts when cameras are tampered with, which can prevent criminal activities.



Specifications

Video			
Video Standard			NTSC, PAL
Video Input			8 channels
Compression			H.264
Signal Type			TVI / CVBS
Frame Rate	NTSC		18 fps per channel at 3 MP; 144 fps in total for 8 channels 15 fps per channel at 4 MP; 120 fps in total for 8 channels 12 fps per channel at 5 MP; 96 fps in total for 8 channels 30 fps per channel at 1080p; 240 fps in total for 8 channels
	PAL		18 fps per channel at 3 MP; 144 fps in total for 8 channels 15 fps per channel at 4 MP; 120 fps in total for 8 channels 12 fps per channel at 5 MP; 96 fps in total for 8 channels 25 fps per channel at 1080p; 200 fps in total for 8 channels
Resolution	NTSC HD	Main Stream	2592 x 1944, 2560 x 1440, 2048 x 1536, 1920 x 1080 (Default), 1280 x 720, 640 x 360, 448 x 252 for TVI Signal
		Sub Stream	640 x 360, 448 x 252 (Default) for TVI Signal
	NTSC SD	Main Stream	960 x 480, 720 x 480 (Default), 480 x 240, 360 x 240 for Analog Signal
		Sub Stream	480 x 240, 360 x 240 (Default) for Analog Signal
	PAL HD	Main Stream	2592 x 1944, 2560 x 1440, 2048 x 1536, 1920 x 1080 (Default), 1280 x 720, 640 x 360, 448 x 252 for TVI Signal
		Sub Stream	640 x 360, 448 x 252 (Default) for TVI Signal
	PAL SD	Main Stream	960 x 576, 720 x 576 (Default), 480 x 288, 360 x 288 for Analog Signal
		Sub Stream	480 x 288, 360 x 288 (Default) for Analog Signal
Video Streaming			Configurable frame rate and bandwidth, Constant and variable bitrate
Video Adjustment			Brightness, Contrast, Saturation, Hue, Sharpness
Dual Streams			Yes
Coaxial Cable	Recommended Type		5C-FB or above
	Maximum Length		300 m (984 ft)
Audio			
Audio Input			4 ports, 8 channels
Compression			G.711
Audio Support			Two-way
Management			
Event Management	Trigger		Schedule, Sensor Input, Motion Detection
	Action		• Store Video (AVI format) • Send e-mails with captured images • Upload captured images to FTP Server • Monitor through Center V2 and Vital Sign Monitor • Activate relay outputs to control external devices
Firmware Upgrade			Remote upgrade by HTTP, Firmware upgrade utility
Storage			USB HDD Storage
Client PC Requirements			Microsoft Internet Explorer 8.x or later
Security			IP address filtering
Language			Bulgarian / Czech / Danish / Dutch / English / French / German / Greek / Hebrew / Hindi / Hungarian / Italian / Indonesian / Japanese / Norwegian / Lithuanian / Persian / Polish / Portuguese / Romanian / Russian / Serbian / Simplified Chinese / Slovakian / Slovenian / Spanish / Thai / Traditional Chinese / Turkish
Max Number of Live Streams			34
Max Number of RTSP Streams			34

Network		
Interface		10/100/1000 Base-T Ethernet, 802.11b/g/n Wireless LAN (optional), Mobile broadband: UMTS, EDGE, etc. (optional)
Protocol		DHCP, DynDNS, FTP, HTTP, HTTPS, 3GPP/ISMA, NTP, ONVIF (Profile S), RTSP, SMTP, SNMP, TCP, UDP, UPnP, QoS (DSCP)
Security Feature		-No default ID and Password -802.1x authentication -HTTPS with an SSL certificate stored within the video server
External Interface		
Video Input		8 BNC ports
Audio Input		4 ports (stereo phone jack, 3.5mm/0.14'')
Audio Output		1 port (stereo phone jack, 3.5 mm/0.14'')
Sensor Input		8 inputs
Alarm Output		8 outputs
PTZ		RS-485 +/-
Ethernet		RJ-45, 10/100/1000 Mbps
USB		2 ports (USB 2.0)
Power	Input	DC Jack (DC 12V, 3.0A)
Environment		
Operation Temp.		-20°C ~ 50°C / -4°F ~ 122°F
Humidity		0% ~ 90% RH (non-condensing)
Weather Resistance		Indoor use
Physical		
Dimensions (L x W x H)		200 x 175 x 40 mm / 7.87 x 6.88 x 1.57 in
Weight		0.95 kg / 2.09 lb
Regulatory		CE, FCC, RCM, RoHS compliant
Applications		
Software Supported		GV-VMS (V16.10.3.0), GV-DVR / NVR (V8.7.1.0), GV-Control Center (V3.4.0.0), GV-Edge Recording Manager (V1.2.0.0), GV-Center V2 (V16.10.0.0), GV-Recording Server (V1.3.0.0), GV-Redundant / Failover Server (V1.1.0.0)
Network Storage		GV-DVR / NVR / VMS, GV-Backup Center, GV-Recording Server
Mobile Phone Support		GV-Eye for iOS and Android
Live Viewing		IE, Firefox, Chrome, Safari, Edge
CMS Server support		GV-Control Center, GV-Center V2, GV-Vital Sign Monitor

Note:

1. It is required to apply patch files to all the supported software mentioned above except GV-VMS and GV-Center V2.
2. GV-Video Server cannot work with microphones that acquire power from the unit. Use microphones that have external power supply.
3. GV-VS2800 supports 1 external hard disk (2.5" or 3.5") with up to 14 TB capacities.
4. It is not recommended to use the flash USB drive with GV-VS2800 because of its slow read and write speed.
5. Product design and specifications are subject to change without notice.

Packing List

1. GV-VS2800
2. AC Power Cord
3. Power Adaptor
4. Download Guide
5. Warranty Card

Options

Optional devices can expand your GV-Video Server's capabilities and versatility. Contact your dealer for more information.

GV-Relay V2	Working with a GV-Relay V2, the GV-Video Server is capable of driving the loads of relay outputs over 5 volts.
GV-WiFi Adaptor V2	The WiFi Adaptor V2 is designed to connect GV IP devices, such as GV-Video Server, to the wireless network.
3.5 mm Stereo to RCA Cable	3.5 mm Stereo to RCA Cable is served as an audio adapter for microphones with RCA connectors.
Wall Hook	Wall Hook is used to mount GV-VS2800 to the wall. 
DIN-rail Hook	DIN-rail Hook is used to mount GV-VS2800 to a 35-mm (1.38-in) DIN rail. 
Rack Mount	Rack Mount is used to mount up to 2 video servers to a 19-in (482.6-mm) rack. 

Supported Wireless LAN USB Adaptor

Vendors	Model
D-Link	DWA-140 (H/W version B1), DWL-G122 (version C1)
EDIMAX	EW-7318Ug, EW-7718Un, EW-7711UAn
Linksys	WUSB54GC, WUSB600 (version 1)
Pegatron	WL-166N11
Note: Linksys WUSB54GC ver. 3 is not supported.	

Supported Mobile Broadband Device

Vendors	Model
Bandluxe	C320, C501
D-Link	DWM-222
HUAWEI	E156, E156B, E169, E220, E1692, E1750, E1752, E1756, E1756C, EC169C, EC189 USB Modem (HSDPA/UMTS/EDGE/GPRS/GSM)
Novatel	MC950D, MC996D, MC998D (HSDPA/UMTS/EDGE/GPRS/GSM)
Onda	MSA523HS
Sierra	250U
Verizon	USB727, USB728, USB760 Modem (EVDO)
Vodafone	K3565 (Rev 2)
ZTE	MF100