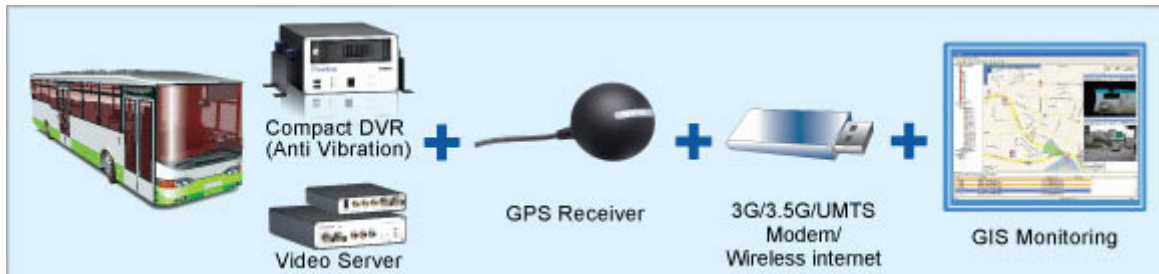# GV-VS04H 4Ch H.264 Video Server

- H.264
- 4-Channel full D1 real-time video / audio
- PoE / 12V DC
- Tampering Alarm
- USB storage recording
- Support GPS, GV-GIS
- Support UMTS/ 3G / 3.5G
- Support Wiegand reader
- Support over 50 PTZ models
- Support 16 languages on web interface

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GV-VS04H is a powerful H.264 Video Server with compact size and supports multiple applications. It supports PoE, and 4-channel full D1 real-time video and audio encoding, fully integrated with GV-NVR to form the most powerful IP solution. It also supports over 50 PTZ models to fulfill various project demands. It can record video to a local USB storage, forming the smallest video recorder. With GPS and UMTS/3G/3.5G support, it provides GIS solution integrated with GV-GIS. It can also active Tampering Alarm alerts when a tampering event happens to prevent crime events.

SPECIFICATIONS

Video		
Video Standard		NTSC, PAL
Video Input		4 channels
Compression		H.264
Frame Rate	NTSC	30 fps per channel; 120 fps in total for 4 channels
	PAL	25 fps per channel; 100 fps in total for 4 channels
Resolution	NTSC	704 x 480, 704 x 480 de-interlace, 352 x 240, 176 x 112
	PAL	704 x 576, 704 x 576 de-interlace, 352 x 288, 176 x 144
Video Streaming		Configurable frame rate and bandwidth, Constant and variable bitrate
Video Adjustment		Brightness, Contrast, Hue, Saturation
Audio		
Audio Input		4 channels
Compression		G.723
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, VSM and GV-GIS, • Activate relay outputs to control external devices
Firmware Upgrade		Remote upgrade by HTTP, Firmware upgrade utility included in the Software DVD
Storage		USB storage device (optional)
Client PC Requirements		Microsoft IE 7.x or above running on Windows XP / 7 / Server 2008
Security		IP address filtering

Language	Czech / Danish / English / French / German / Hebrew / Hungarian / Italian / Japanese / Polish / Portuguese / Russian / Serbian / Simplified Chinese / Spanish / Traditional Chinese
Network	
Interface	10/100 Base-T Ethernet, 802.11b/g/n Wireless LAN (optional), Mobile broadband: UMTS, EDGE, etc. (optional)
Protocol	HTTP, HTTPS, TCP, UDP, SMTP, FTP, DHCP, NTP, UPnP, DynDNS, 3GPP/ISMA, Multicast, RTSP, PSIA, QoS (DSCP), SNMP
Connector	
Video Input	4 BNC ports
Audio Input	2 stereo phone jacks to 4 RCA ports
Audio Output	1 RCA port
Sensor Input	4 inputs
Alarm Output	4 outputs
PTZ	RS-485 +/-
GPS	UART
Ethernet	RJ-45, 10/100 Mbps
USB	2 posrts (USB 2.0)

Power	Power Jack	1 DC-In power jack, 1 DC-Out power jack
	Input	100-240V, 1.2A, 50-60Hz
	Output	12V, 3A, (36W Max.)

Power over Ethernet	
PoE Standard	IEEE 802.3af Power over Ethernet / PSE
PoE Power Supply Type	End-Span
PoE Power Output	Per Port 48V DC, 350mA. Max. 15.4 watts
Environment	
Operation Temp.	-20 ~ 55 °C / -4 ~ 131 °F
Humidity	0 ~ 85% RH (non-condensing)
Physical	
Dimensions (L x W x H)	174 x 145 x 40 mm / 6.85 x 5.7 x 1.57 in
Weight	0.74 kg / 1.63 lb
Applications	
Network Storage	GV-System, GV-Backup Center, GV-Video Gateway, GV-Recording Server
Mobile Phone support	GV-AView for Android Smartphone, GV-Eye HD for iPad, GV-Eye for iPhone and iPod Touch, GV-GView for Windows PDA, GV-MSView for Windows Smartphone, GV-SSView for Symbian Smartphone, 3G-enabled phone.
Live Viewing	IE , GV-Multi View
CMS Server support	GV-Control Center, GV-Center V2, GV-VSM

Note:

1. The GV-Video Server cannot work with the microphones that acquire power from the unit. Use microphones that have external power supply.
2. Product design and specifications are subject to change without notice.

Options

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

GV-GPS Receiver	The GV-GPS Receiver is a Global Position System receiver. With the GV-GPS Receiver, you can perform GPS tracking and location verification of the GV-Video Server. Two types of interfaces are available: UART (for GV-VS04H) and RS-232 (for GV-VS12).
GV-Relay V2	Working with the GV-Relay V2, the GV-Video Server is capable of driving the loads of relay outputs over 5 volts.
GV-Storage System	The iSCSI storage system allows you to record files over the Internet.
GV-WiFi USB Adaptor	The WiFi USB Adaptor is designed to connect the GV IP devices, such as GV-Video Server or GV-Compact DVR, to the wireless network.
GV-PA191 PoE Adaptor	The GV-PA191 is designed to provide power to the IP device through a single Ethernet cable. The GV-PA191 is only supported by GV-VS04H and GV-VS12.
GV-VR605A DC Voltage Regulator	With the GV-VR605A, you can install GV-Video Server in the car. The GV-VR605A will supply and maintain a 12V voltage to the GV-Video Server and its connected cameras.

The following devices are only supported by GV-VS04H	
Access Control Series The GV-Video Server can work with the Wiegand-interface card reader to send cardholder data to the central monitoring stations Center V2 and VSM, as well as GV-System.	
GV-Reader	GV-Reader includes transmit-receive antenna and electronics. Featured with the Wiegand output, the unit is compatible with any standard access control panel.
GV-R1352 Card Reader	The GV-R1352 is a card reader designed to recognize identification cards. Featured with the Wiegand output, the unit can be connected to any standard access control panel. The GV-R1352 comes with a weather sealed and IP66 compliant housing for outdoor use.

Supported Wireless LAN USB Adaptor

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

Supported Mobile Broadband Device

Vendors	Model
HUAWEI	E169, E220, E1692, EC169C, E1750, E1752, E1756 USB Modem (HSDPA/UMTS/EDGE/GPRS/GSM)
Novatel	MC950D, MC996D, MC998D (HSDPA/UMTS/EDGE/GPRS/GSM)
Onda	MSA523HS
Verizon	USB760 Modem (EVDO)
Vodafone	K3565 (Rev 2)