

## 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

GV-VS04A 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 40 branded speed dome protocols 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 (at Full D1 resolution)	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
Management		
Event Management	Trigger	Schedule, Sensor Input, Motion Detection
	Action	<ul style="list-style-type: none"> <li>• Store video (AVI format),</li> <li>• Send e-mails with captured images,</li> <li>• Upload captured images to FTP Server,</li> <li>• Monitor through Center V2, VSM and GV-GIS,</li> <li>• Activate relay outputs to control external devices</li> </ul>
Firmware Upgrade		Remote upgrade by HTTP, Firmware upgrade utility included in the Software DVD
Storage		Mass storage through USB (optional)
Client PC Requirements		Microsoft IE 7.x or above running on Windows XP/ Vista / 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	
<b>Network</b>		
Interface	10/100 Base-T Ethernet, 802.11b/g, 802.11n Wireless LAN (optional) Mobile broadband: UMTS, EDGE, etc. (optional)	
Protocol	HTTP, HTTPS, TCP, UDP, SMTP, FTP, DHCP, NTP, UPnP, DynDNS, 3GPP/ISMA, Multicast, RTSP, QoS (DSCP), SNMP	
<b>Connector</b>		
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 ports (USB 2.0)	
Power	Input	100-240V, 1.2A, 50-60 mHz
	Output	12V, 3A, (36W Max.)
<b>Power over Ethernet</b>		
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	
<b>Environment</b>		
Operation Temp.	-20 ~ 55 °C / -4 ~ 131 °F	
Humidity	0 ~ 85% RH (non-condensing)	
<b>Physical</b>		
Dimensions (L x W x H)	174 x 145 x 40 mm / 6.85 x 5.7 x 1.57 in	
Weight	0.73 kg / 1.61 lb	
<b>Applications</b>		
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. Product design and specifications are subject to change without notice.
2. The GV-Video Server cannot work with the microphones that acquire power from the unit. Use microphones that have external power supply.

## 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	The GV-VR605A is a voltage regulator designed to be installed in the car and supply power to GV-Video Server and its connected cameras. The GV-VR605A is capable of maintaining a 12V voltage to the GV-Video Server and its connected cameras, providing protection against voltage spikes when you turn on the car ignition.
<b>Access Control Series</b> 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
<b>Note:</b> 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)