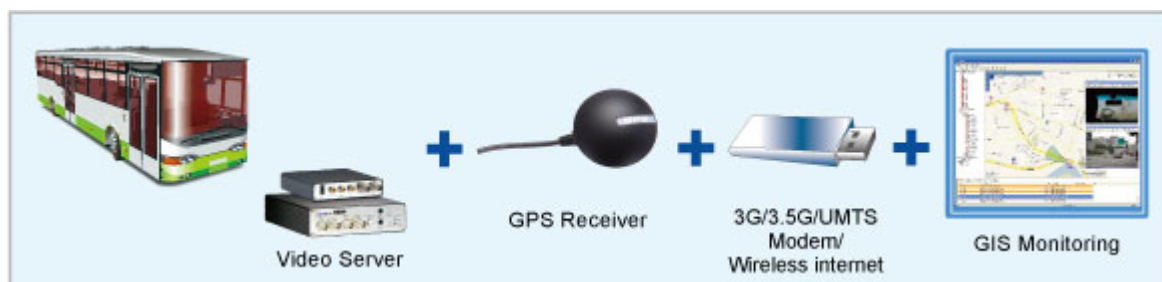# GV-VS14 4CH H.264 Video Server

- H.264, MJPEG
- 4-Channel full D1 real-time video / audio
- 12V DC
- Tampering Alarm
- USB storage recording
- Support GPS, GV-GIS
- Support UMTS/ 3G / 3.5G / 4G
- Automatic switch between WiFi and 3G
- Support Wiegand reader
- Support over 50 PTZ models
- Support for temperature detector
- Support 29 languages on web interface

GV-VS14 is a powerful H.264 Video Server with compact size and supports multiple applications. It supports 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/ 4G 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, MJPEG
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	Main Stream	704 x 480, 704 x 480 de-interlace, 352 x 240
		Sub Stream	352 x 240, 176 x 112
	PAL	Main Stream	704 x 576, 704 x 576 de-interlace, 352 x 288
		Sub Stream	352 x 288, 176 x 144
Video Streaming			Configurable frame rate and bandwidth, Constant and variable bitrate
Video Adjustment			Brightness, Contrast, Hue, Saturation
Dual Streams			Yes
Audio			
Audio Input			4 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, 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 Internet Explorer 7.x or above running on Windows XP / Vista / 7 / 8 / Server 2008 / Server 2012
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
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, QoS (DSCP), SNMP
External Interface			
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		12V, 3.5A
	Output		12V, 1.35A, (19.2W Max.)
Environment			
Operation Temp.			-20 ~ 55 °C / -4 ~ 131 °F
Humidity			0 ~ 85% RH (non-condensing)
Weather Resistance			Indoor use only
Physical			
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
Applications			
Network Storage			GV-System, GV-Backup Center, 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-MultiView
CMS Server support			GV-Center V2, GV-VSM, GV-Control Center

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. Currently, 3 TB hard disk is not supported.
3. The GV-Video Server does not support Internet Explorer 10.
4. It is not recommended to use the flash USB drive with GV-VS04H and GV-VS14 because of its slow read and write speed.

5. Product design and specifications are subject to change without notice.

Packing List

1. AC Power Cord x 1
2. DC Male-to-Male Cable (for powering on the camera through GV-Video Server) x 1
3. Power Adaptor x 1
4. Wall Hook x 1
5. Conical Anchor x 4
6. Screw x 4
7. 3.5 mm Stereo to RCA Cable x 2
8. GV-Video Server Software CD/DVD x 1
9. GV-NVR Software CD/DVD x 1

Note: The DC Male-to-Male Cable is used to power on the camera through the GV-Video Server. You can also optionally purchase three more DC Male-to-Male Cables and one DC 1-Male to 4-Female Cable to power on four cameras through the GV-Video Server.

DC 1-Male to 4-Female Cable   DC Male-to-Male Cable

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 / GV-VS14) 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-WiFi USB Adaptor	The WiFi USB Adaptor is designed to connect the GV IP devices, such as GV-Video Server, to the wireless network.
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.

The following devices are only supported by GV-VS04H and GV-VS14.

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 1251 & GV-Reader 1352 V2)	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, 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
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