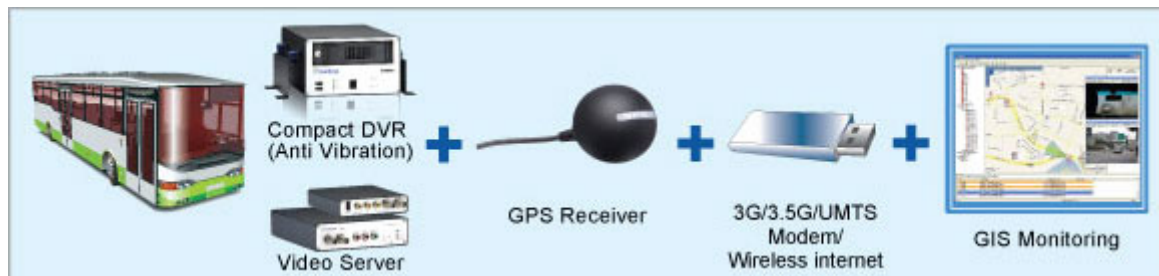# GV-VS04H  4Ch H.264 Video Server

- 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-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 | ● Store video (AVI format),<br>● Send e-mails with captured images,<br>● Upload captured images to FTP Server,<br>● Monitor through Center V2, VSM and GV-GIS,<br>● Activate relay outputs to control external devices |
| Firmware Upgrade | | Remote upgrade by HTTP,<br>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 |

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| | |
|---|---|
| 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, 802.11n Wireless LAN (optional)<br>Mobile broadband: UMTS, EDGE, etc. (optional) |
| Protocol | HTTP, HTTPS, TCP, UDP, SMTP, FTP, DHCP, NTP, UPnP, DynDNS, 3GPP/ISMA, Multicast, RTSP, 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 ports (USB 2.0) |
| Power — Input | 100-240V, 1.2A, 50-60 mHz |
| Power — 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 | 0.73 kg / 1.61 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. 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. |
| **Access Control Series**<br>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) |

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