

GV-VS2420 4CH H.264 AHD 1080p Video Server



- H.264
- 4-channel AHD 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
- Supports over 50 PTZ models
- 29 languages on web interface

GV-VS2420 is a powerful H.264 Video Server with compact size and supports multiple applications. It supports 4-channel AHD 1080p / 720p and analog 960H / D1 real-time video, fully integrated with GV-System (GV-DVR/NVR) / GV-VMS to form the most powerful IP solution. GV-VS2420 converts analog signals into high resolution digitized images up to 2 megapixels. 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. It can also activate Tampering Alarm alerts when cameras are tampered with, which can prevent criminal activities successfully.

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 HD | Main Stream | 1920 x 1080, 1280 x 720 for AHD Signal |
| | | Sub Stream | 640 x 360, 448 x 252(Default) for AHD Signal |
| | NTSC SD | Main Stream | 960 x 480, 720 x 480(Default) for Analog Signal |
| | | Sub Stream | 480 x 240, 360 x 240(Default) for Analog Signal |
| | PAL HD | Main Stream | 1920 x 1080, 1280 x 720 for AHD Signal |
| | | Sub Stream | 640 x 360, 448 x 252(Default) for AHD Signal |
| PAL SD | Main Stream | 960 x 576, 720 x 576(Default) 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 | | 1 channel | |
| Compression | | G.711 | |
| Audio Support | | Two-way | |

| Management | | |
|---------------------------|---------|---|
| | Trigger | Schedule, Sensor Input, Motion Detection |
| Event Management | Action | <ul style="list-style-type: none"> ● 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 included in the Software DVD |
| 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 |
| Network | | |
| Interface | | 10/100/1000 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, RTSP, QoS (DSCP), SNMP |
| External Interface | | |
| Video Input | | 4 BNC ports |
| Audio Input | | 1 port stereo phone jack, 3.5 mm/0.14" |
| Audio Output | | 1 port stereo phone jack, 3.5 mm/0.14" |
| Sensor Input | | 4 inputs |
| Alarm Output | | 4 outputs |
| PTZ | | RS-485 +/- |
| Ethernet | | RJ-45, 10/100/1000 Mbps |
| USB | | 2 ports (USB 2.0) |
| Power | Input | 12V, 3.0 A |
| | Output | 12V, 1.6 A, (19.2 W Max.) |
| Environment | | |
| Operation Temp. | | -20 ~ 50 °C / -4 ~ 122 °F |
| Humidity | | 0 ~ 85% RH (non-condensing) |
| Weather Resistance | | Indoor use |
| 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 |
| Regulatory | | CE, FCC, RCM, RoHS compliant |
| Applications | | |
| Network Storage | | GV-System (GV-DVR/NVR) / GV-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. The GV-Video Server cannot work with the microphones that acquire power from the unit. Use microphones that have external power supply.
2. GV-VS2420 supports 1 external hard disk (2.5" or 3.5") with up to 4 TB capacities.
3. It is not recommended to use the flash USB drive with GV-VS2420 because of its slow read and write speed.
4. Product design and specifications are subject to change without notice.
5. When transmitting video signals over a long distance, it is highly recommended to use 5C-FB coaxial cables or above to minimize the degradation of image quality. The transmission distance should be within 300 m (984 ft).

Packing List

1. GV-VS2420
2. AC Power Cord x 1
3. Power Adaptor x 1
4. GV-Video Server Software CD/DVD x 1
5. GV-NVR Software CD/DVD x 1
6. Warranty Card

Options

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

| | |
|--|---|
| <p>DC Male-to-Male Cable</p> | <p>DC Male-to-Male Cable and DC 1-Male to 4-Female Cable are both used to power on the cameras through the GV-Video Server.</p> <p>For instance, you can purchase four DC Male-to-Male Cables and one DC 1-Male to 4-Female Cable to power on four cameras through the GV-Video Server.</p> |
| <p>DC 1-Male to 4-Female Cable</p> | <div style="text-align: center;">  <p>DC 1-Male to 4-Female Cable DC Male-to-Male Cable</p> </div> |
| <p>GV-Relay V2</p> | <p>Working with the GV-Relay V2, the GV-Video Server is capable of driving the loads of relay outputs over 5 volts.</p> |
| <p>GV-WiFi USB Adaptor</p> | <p>The WiFi USB Adaptor is designed to connect the GV IP devices, such as GV-Video Server, to the wireless network.</p> |
| <p>3.5 mm Stereo to RCA Cable</p> | <p>3.5 mm Stereo to RCA Cable is served as an audio adapter for microphones with RCA connectors.</p> |
| <p>Wall Hook</p> | <p>Wall Hook is used to mount GV-VS2420 to the wall.</p> <div style="text-align: center;">  </div> |
| <p>Din-rail Hook</p> | <p>DIN-rail Hook is used to mount GV-VS2420 to a 35-mm (1.38-in) DIN rail.</p> <div style="text-align: center;">  </div> |
| <p>Rack Mount</p> | <p>Rack Mount is used to mount up to 3 video servers to a 19-in (482.6-mm) rack.</p> <div style="text-align: center;">  </div> |

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 |