

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 □
- Supports UMTS / 3G / 3.5G / 4G □
- Automatic switch between WiFi and 3G □
- Supports over 50 PTZ models □
- Supports 29 languages on web interface □

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 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-VM 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 □ Main Stream □	1920 x 1080, 1280 x 720 for AHD Signal □
	HD □ Sub Stream □	640 x 360, 448 x 252 for AHD Signal □
	NTSC □ Main Stream □	960 x 480, 720 x 480 for Analog Signal □
	SD □ Sub Stream □	480 x 240, 360 x 240 for Analog Signal □
	PAL □ Main Stream □	1920 x 1080, 1280 x 720 for AHD Signal □
	HD □ Sub Stream □	640 x 360, 448 x 252 for AHD Signal □
PAL □ Main Stream □	960 x 576, 720 x 576 for Analog Signal □	
	SD □ Sub Stream □	480 x 288, 360 x 288 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 □	300m (984ft) □
Audio		
Audio Input □	1 channel □	
Compression □	G.711 □	
Audio Support □	Two-way □	

Management		
	Trigger <input type="checkbox"/>	Schedule, Sensor Input, Motion Detection <input type="checkbox"/>
Event Management <input type="checkbox"/>	Action <input type="checkbox"/>	Store Video (AVI format) <input type="checkbox"/> Send e-mails with captured images <input type="checkbox"/> Upload captured images to FTP Server <input type="checkbox"/> Monitor through Center V2 and Vital Sign Monitor <input type="checkbox"/> Activate relay outputs to control external devices <input type="checkbox"/>
Firmware Upgrade <input type="checkbox"/>		Remote upgrade by HTTP, <input type="checkbox"/> Firmware upgrade utility included in the Software DVD <input type="checkbox"/>
Storage <input type="checkbox"/>		USB/HDD Storage <input type="checkbox"/>
Client PC Requirements <input type="checkbox"/>		Microsoft Internet Explorer 8.x or later <input type="checkbox"/>
Security <input type="checkbox"/>		IP address filtering <input type="checkbox"/>
Language <input type="checkbox"/>		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 <input type="checkbox"/>
Network		
Interface <input type="checkbox"/>		10/100/1000 Base-T Ethernet, <input type="checkbox"/> 802.11b/g/n Wireless LAN (optional), <input type="checkbox"/> Mobile broadband: UMTS, EDGE, etc. (optional) <input type="checkbox"/>
Protocol <input type="checkbox"/>		HTTP, HTTPS, TCP, UDP, SMTP, FTP, DHCP, NTP, UPnP, DynDNS, IGMP, ISMA, <input type="checkbox"/> RTSP, QoS (DSCP), SNMP <input type="checkbox"/>
External Interface		
Video Input <input type="checkbox"/>		4 BNC ports <input type="checkbox"/>
Audio Input <input type="checkbox"/>		1 port stereo phone jack, 3.5 mm/0.14" <input type="checkbox"/>
Audio Output <input type="checkbox"/>		1 port stereo phone jack, 3.5 mm/0.14" <input type="checkbox"/>
Sensor Input <input type="checkbox"/>		4 inputs <input type="checkbox"/>
Alarm Output <input type="checkbox"/>		4 outputs <input type="checkbox"/>
PTZ <input type="checkbox"/>		RS-485+/- <input type="checkbox"/>
Ethernet <input type="checkbox"/>		RJ-45, 10/100/1000 Mbps <input type="checkbox"/>
USB <input type="checkbox"/>		2 ports (USB 2.0) <input type="checkbox"/>
Power <input type="checkbox"/>	Input <input type="checkbox"/>	12V, 3.0A <input type="checkbox"/>
	Output <input type="checkbox"/>	12V, 1.6A, (19.2W Max.) <input type="checkbox"/>
Environment		
Operation Temp. <input type="checkbox"/>		-20 ~ 50°C / -4 ~ 122°F <input type="checkbox"/>
Humidity <input type="checkbox"/>		0 ~ 85% RH (non-condensing) <input type="checkbox"/>
Physical		
Dimensions (L x W x H) <input type="checkbox"/>		174 x 145 x 40 mm / 6.85 x 5.7 x 1.57 in <input type="checkbox"/>
Weight <input type="checkbox"/>		0.73 kg / 1.61 lb <input type="checkbox"/>
Regulatory <input type="checkbox"/>		CE, FCC, RoHS compliant <input type="checkbox"/>
Applications		
Network Storage <input type="checkbox"/>		GV-System (GV-DVR/NVR) / GV-VMS, GV-Backup Center, GV-Recording Server <input type="checkbox"/>
Mobile Phone Support <input type="checkbox"/>		GV-Eye for iOS and Android <input type="checkbox"/>
Live Viewing <input type="checkbox"/>		IE, Firefox, Chrome, Safari, Edge <input type="checkbox"/>
QMS Server support <input type="checkbox"/>		GV-Control Center, GV-Center V2, GV-Vital Sign Monitor <input type="checkbox"/>

Note:


- The GV Video Server cannot work with the microphones that acquire power from the unit. Use microphones that have external power supply.
- GV-VS2420 supports 1 external hard disk (2.5" or 3.5") with up to 4TB capacities.
- It is not recommended to use the flash USB drive with GV-VS2420 because of its slow read and write speed.
- Product design and specifications are subject to change without notice.
- 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 300m (984ft).

Packing List

1. GV-VS2420
2. AC Power Cord x1
3. Power Adaptor x1
4. GV-Video Server Software CD/ DVD x1
5. GV-NVR Software CD/ DVD x1
6. Warranty Card

Options

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

DC Male-to-Male Cable	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. 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.
DC 1-Male to 4-Female Cable	 <p>DC 1-Male to 4-Female Cable DC Male-to-Male Cable</p>
GV-Relay V2	
GV-WiFi USB Adaptor	Working with the GV-Relay V2, the GV-Video Server is capable of driving the loads of relay outputs over 5 volts.
3.5mm Stereo to RCA Cable	The WiFi USB Adaptor is designed to connect the GV IP devices, such as GV-Video Server, to the wireless network.
Wall Hook	3.5mm Stereo to RCA Cable is served as an audio adapter for microphones with RCA connectors.
Din-rail Hook	Wall Hook is used to mount GV-VS2420 to the wall.
	Din-rail Hook is used to mount GV-VS2420 to a cabinet.

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
Serra	250U
Verizon	USB727, USB728, USB760 Modem (EVDO)
Vodafone	K3565 (Rev.2)
ZTE	MF100

