

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
- ONVIF (Profile S) conformant

GV-VS2420 is a powerful H.264 Video Server with compact size and supports 4-channel AHD 1080p / 720p and analog 960H / D1 real-time video. It can be fully integrated with GV-DVR / NVR / VMS to form a powerful IP surveillance solution. GV-VS2420 converts analog signals into high-resolution digitized images up to 2 megapixels and supports over 50 PTZ models to fulfill various project demands. It can record videos to a local USB storage, performing as a compact video recorder. It is also able to trigger Tampering Alarm alerts when cameras are tampered with, which can prevent criminal activities.

Specifications

Video			
Video Standard		NTSC, PAL	
Video Input		4 channels	
Compression		H.264	
Signal Type		AHD / CVBS	
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 (Default), 1280 x 720, 640 x 360, 448 x 252 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), 480 x 240, 360 x 240 for Analog Signal
		Sub Stream	480 x 240, 360 x 240 (Default) for Analog Signal
	PAL HD	Main Stream	1920 x 1080 (Default), 1280 x 720, 640 x 360, 448 x 252 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), 480 x 288, 360 x 288 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
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		DHCP, DynDNS, FTP, HTTP, HTTPS, 3GPP/ISMA, NTP, ONVIF (Profile S), QoS (DSCP), RTSP, SMTP, SNMP, TCP, UDP, UPnP
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	DC Jack (DC 12V, 3.0A)
	Output	12V, 1.6A, (19.2 W Max.)
Environment		
Operation Temp.		-20°C ~ 50°C / -4°F ~ 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		
Software Supported		GV-VMS (V16.10.3.0), GV-DVR / NVR (V8.7.1.0), GV-Control Center (V3.4.0.0), GV-Edge Recording Manager (V1.2.0.0), GV-Center V2 (V16.10.0.0), GV-Recording Server (V1.3.0.0), GV-Redundant / Failover Server (V1.1.0.0)
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. GV-Video Server cannot work with 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. 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).
5. Product design and specifications are subject to change without notice.

Packing List

1. GV-VS2420
2. AC Power Cord
3. Power Adaptor
4. Download Guide
5. 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 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 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 a GV-Relay V2, the GV-Video Server is capable of driving the loads of relay outputs over 5 volts.</p>
<p>GV-WiFi Adaptor V2</p>	<p>The WiFi Adaptor V2 is designed to connect GV IP devices, such as GV-Video Server, to the wireless network.</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
D-Link	DWM-222
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