GV-VS21600 16CH H.264 Combo 1080p Video Server

- H.264
- 16-channel combo 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 / 4G
- Supports over 50 PTZ models
- 29 languages on Web interface
- HD-TVI (1.0 / 2.0 standard) / HD-AHD
- ONVIF (Profile S) conformant

GV-VS21600 is a powerful H.264 Video Server with compact size and supports multiple applications. It supports 16-channel combo 1080p / 720p and analog 960H / D1 real-time video, fully integrated with GV-DVR / NVR / VMS to form the most powerful IP solution. GV-VS21600 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			16 channels
Compression			H.264
Frame Rate	NTSC		15 fps per channel at 1080p, 30 fps per channel at 720p / 960H / D1; 240 fps in total for 16 channels * The frame rate will be restricted to 15 fps only when more than 8 channels are set at 1080p.
	PAL		15 fps per channel at 1080p, 25 fps per channel at 720p / 960H / D1; 200 fps in total for 16 channels * The frame rate will be restricted to 15 fps only when more than 8 channels are set at 1080p.
Resolution	NTSC HD	Main Stream	1920 x 1080 (Default), 1280 x 720, 640 x 360, 448 x 252 for Combo Signal
		Sub Stream	640 x 360, 448 x 252 (Default) for Combo 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 Combo Signal
		Sub Stream	640 x 360, 448 x 252 (Default) for Combo 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			16 RCA ports, 16 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 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), RTSP, SMTP, SNMP, TCP, UDP, UPnP, QoS (DSCP)

External Interface		
Video Input	1 DVI socket supporting 16 video BNC ports
Audio Input	1 DVI socket supporting 16 audio RCA ports
Audio Output	1 port (stereo phone jack, 3.5 mm/0.14'')
Sensor Input	8 inputs
Alarm Output	8 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)

Environment		
Operation Temp.	-20 ~ 50 °C / -4 ~ 122 °F
Humidity	0 ~ 90% RH (non-condensing)
Weather Resistance	Indoor use

Physical		
Dimensions (L x W x H)	200 x 175 x 40 mm / 7.87 x 6.88 x 1.57 in
Weight	1.1 kg / 2.42 lb
Regulatory	CE, FCC, RCM, RoHS compliant

Applications		
Software Supported	GV-VMS (V16.11.0.0), GV-DVR / NVR (V8.7.4.0), GV-Control Center (V3.4.0.0), GV-Backup Center (V1.2.0.0), GV-Edge Recording Manager (V1.3.0.0), GV-Center V2 (V16.11.0.0), GV-Recording Server / Video Gateway (V1.3.0.0), GV-Redundant / Failover Server (V1.1.0.0), GV-Remote ViewLog (V16.11.0.0)
Network Storage	GV-DVR / NVR / 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. It is required to apply patch files to all the supported software mentioned.
2. The GV-Video Server cannot work with the microphones that acquire power from the unit. Use microphones that have external power supply.
3. GV-VS21600 supports 1 external hard disk (2.5''or 3.5") with up to 6 TB capacities.
4. It is not recommended to use the flash USB drive with GV-VS21600 because of its slow read and write speed.
5. Product design and specifications are subject to change without notice.

Packing List

1. GV-VS21600
2. AC Power Cord x 1
3. Power Adaptor x 1
4. DVI to 16 Video BNC Breakout Cable x 1
5. DVI to 16 Audio RCA Breakout Cable x 1
6. Download Guide
7. Warranty Card

Options

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

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 Adaptor V2	The WiFi Adaptor V2 is designed to connect the GV IP devices, such as GV-Video Server, to the wireless network.
Wall Hook	Wall Hook is used to mount GV-VS21600 to the wall.
DIN-rail Hook	DIN-rail Hook is used to mount GV-VS21600 to a 35-mm (1.38-in) DIN rail.
Rack Mount	Rack Mount is used to mount up to 2 video servers to a 19-in (482.6-mm) rack.

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