

GV-Tower VMS System V2



Introduction

The GV-Tower VMS System V2 comes with 4 hot-swap drive bays for the storage of 24 TB. This system has two CPU options: Intel Core i3 and i5. It features the latest upgraded VMS system and 64-bit Microsoft Windows Embedded OS. GV-Tower VMS System V2 supports up to 32 channels of GV-IP devices or third-party IP devices (license required). You can also bring the surveillance on the HDTV with a HDMI cable. It is a towering, affordable, and efficient VMS system that you have ever seen.

Features

- Powered by Intel Core i3 or i5 Processor
- 64-bit Windows Embedded OS
- Support for GPU Decoding
- 4-bay hot-swap data HDD
- Maximum storage capacity of 24 TB
- Pre-installed SSD for recovery
- Dual Gigabit LAN ports
- 3-monitor display (VGA, DVI-D and HDMI outputs)
- Support for 3rd party IP devices
- Support for 32 channels (Pure IP solution)
- All-in-one solution (Live View, Playback, Recording, Backup, CMS)
- Video analysis
- Fisheye camera dewarping function
- Automatic connection to GV-IP devices
- H.265 / H.264 / MJPEG / MPEG4
- On-screen LED panel for HDD status
- Smart device access
- Multiple (22) languages

Packaging

- GV-Tower VMS System V2 x 1
- Keys for Hard Disk Safety Lock x 2
- Hard Disk Drive Screw x 16
- AC Power Cord x 1
- GV-Tower System V2 Quick Start Guide x 1

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Specifications

Hardware

System						
CPU		Intel Core i3 Processor				
		Intel Core i5 Processor (optional)				
RAM		4 GB				
No. of HDD		4 (3.5" HDD; SATA3 interface)				
Internal Storage		64 GB (SSD)				
OS		64-bit Windows Embedded OS				
DirectX		11				
Dower		250 W, 110-115 V, 60 Hz				
Power		250 W, 220-230 V, 50 Hz				
	Ethernet	RJ-45, 10 / 100 / 1000 Mbps x 2				
	Video Output	VGA, DVI-D and HDMI				
Connector	USB 2.0	Front: 2 ports				
		Rear: 4 ports				
	USB 3.0	Rear: 2 ports				
Environment						
Operating Temp		0~45°C/32~113°F				
Humidity		0 ~ 80% RH (non-condensing)				
Physical						
Color		Silver				
Dimensions (W x H x D)		200 x 270 x 335 mm / 7.87 x 10.63 x 13.19 in				
Net Weight		8 kg / 17.64 lb (± 1 kg / 2.2 lb)				
Sensor and Alarm	n (Optional)					
GV-IO Box 4 Ports		4 inputs, 4 outputs				
GV-IO Box 8 Ports		8 inputs, 8 outputs				
GV-IO Box 16 Ports		16 inputs, 16 outputs				

Software

Video and Audio						
Model	GV-Tower VMS (GV)	GV-Tower VMS (3rd Party)				
Video Input	32 channels	32 channels in increments of 1 channel (license required)				
Audio Input	32 channels in increments of 1 channel (license required)					
Live View and Playback						
Image Control	Contrast / Brightness / Saturation / Hue					
Recording Mode	Round the Clock / Motion Detection	/ Sensor Detection / Pre & Post Recording / Schedule Recording				
Pre Recording	1~ 45 min.					
Instant Playback	10 sec. / 30 sec. / 1 min. / 5 min.	10 sec. / 30 sec. / 1 min. / 5 min.				
Watermark	Supported					
Searching and Playback						
Search Method	Date / Time / Camera / Event Type					
Backup Type	DVD+R (DL) / DVD-R (DL) / DVD+R / DVD+RW / DVD-R / DVD-RW / CD-R / CD-RW					
Remote Monitoring						
Marilla das Escharación	Web browser (IE, Chrome, Firefox and Safari)					
Monitoring Environment	Mobile device (Android Smartphone and tablet; iPad, iPhone and iPod Touch)					
Live View	Max. 32–channel multi views (Up to	Max. 32–channel multi views (Up to 200 channels connection to GV-Tower System V2)				
Network Type	LAN, WAN, Internet	LAN, WAN, Internet				
System Monitoring and Recovery						
Power Restoration	Automatic restart after power outag	Automatic restart after power outage				
N.A ita wina	Two independent Watchdogs					
Monitoring	(Hardware Watchdog + Software Watchdog)					
Recovery	Automatic system rebuild from inter	Automatic system rebuild from internal SSD.				
Language						
Type	Bulgarian / Czech / Danish / English /	Bulgarian / Czech / Danish / English / French / German / Greek / Hebrew / Hungarian / Italian / Japanese / Persian / Polish				
Туре	/ Portuguese / Russian / Serbian / Simplified Chinese / Slovakian / Slovenian / Spanish / Traditional Chinese / Turkish					

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Software License			
Free License	32 channels from GV-IP devices		
Maximum License	32 channels from third-party IP devices		
Increment for Each License	1 to 32 third-party IP cameras increments of 1 channel		
Optional Combinations	N/A		
Dongle Type	Internal		

Note:

- 1. The Maximum License is a paid service.
- 2. It is required to enable the dual-stream function on GeoVision and third-party IP cameras to have the maximum number of channels supported. For single streaming third-party IP cameras, please see "Total Frame Rate and Max. No. of Channels Supported" below.
- 3. For backup function, you need to connect an external USB DVD/CD burner.
- 4. Product design and specifications are subject to change without notice.

Total Frame Rate and Max. No. of Channels Supported

For GV-IP Camera (Dual Streams)

Video Deselution	Dual Streams		Man FDC	Intel Core i3 / i5		
Video Resolution	Stream 1 (H.264)	Stream 2 (H.264)	Max. FPS	Total FPS	Full-Frame Channels	
1.3 MP	1280 x 720 / 1280 x 1024	448 x 252 / 320 x 256	30 fps	960 fps	32 ch	
2 MP	1920 x 1080	448 x 252	30 fps	960 fps	32 ch	
3 MP	2048 x 1536	320 x 240	20 fps	640 fps	32 ch	
5 MP	2560 x 1920	320 x 240	10 fps	320 fps	32 ch	

Video Resolution	Dual Streams	Dual Streams		Intel Core i3			Intel Core i5		
	Stream 1 (H.265)	Stream 2 (H.264)	Max. FPS	Total FPS	Full-Frame Channels	Max. FPS	Total FPS	Full-Frame Channels	
1 MP	1280 x 720	640 x 360	30 fps	960 fps	32 ch	30 fps	960 fps	32 ch	
2 MP	1920 x 1080	640 x 360	25 fps	800 fps	32 ch	30 fps	960 fps	32 ch	
3 MP	2048 x 1520	640 x 480	20 fps	640 fps	32 ch	30 fps	960 fps	32 ch	
4 MP	2560 x 1440	640 x 360	20 fps	640 fps	32 ch	25 fps	800 fps	32 ch	
5 MP	2592 x 1944	640 x 480	15 fps	480 fps	32 ch	30 fps	960 fps	32 ch	

For GV-Fisheyes Camera (Single Stream De-warping)

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Video Resolution	Single Stream (H.264)	Max. FPS	Intel Core i3		Intel Core i5	
			Total FPS	Full-Frame Channels	Total FPS	Full-Frame Channels
1.3 MP	1280 x 1200	15 fps	195 fps	13 ch	210 fps	14 ch
2 MP	1440 x 1376	15 fps	150 fps	10 ch	165 fps	11 ch
4 MP	2048 x 1944	15 fps	75 fps	5 ch	90 fps	6 ch
5 MP	2560 x 1920	10 fps	60 fps	6 ch	70 fps	7 ch

For Third-Party IP Camera (Single Stream GPU Decode)

Video Resolution	Single Stream (H.264)	Max. FPS	Intel Core i3		Intel Core i5	
			Total FPS	Full-Frame Channels	Total FPS	Full-Frame Channels
1.3 MP	1280 x 720 / 1280 x 1024	30 fps	930 fps	31 ch	960 fps	32 ch
2 MP	1920 x 1080	30 fps	750 fps	25 ch	960 fps	32 ch
3 MP	2048 x 1536	20 fps	440 fps	22 ch	580 fps	29 ch
4 MP	2048 x 1944	15 fps	255 fps	17 ch	390 fps	26 ch
5 MP	2560 x 1920	10 fps	160 fps	16 ch	240 fps	24 ch

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Options

GV-Hub V2	An easy way for serial port extension. This hub can add 4 RS-232/RS-485 serial ports through the GV-Tower VMS System V2's USB port.				
GV-COM V3	This unit can add 1 RS-485 port to your computer through a USB connector.				
GV-IO Box (4 Ports V1.2)	GV-IO Box 4 Ports V1.2 provides 4 inputs and 4 relay outputs. It supports both DC and AC output voltages, and provides a USB port for PC connection.				
GV-IO Box (8 Ports)	GV-IO Box 8 provides 8 inputs and 8 relay outputs, and supports both DC and AC output voltages. A USB port is also provided for PC connection.				
GV-IO Box (16 Ports)	GV-IO Box 16 provides 16 inputs and 16 relay outputs, and supports both DC and AC output voltages. A USB port is als provided for PC connection.				
GV-Joystick V2	GV-Joystick V2 facilitates the PTZ camera control. It can be either plugged into the GV-Tower VMS System V2 for independent use or connected to GV-Keyboard to empower the operation.				
GV-Keyboard V3 GV-Keyboard V3 is designed to program and operate the system, and it can also be connected with PTZ for PTZ control.					
GV-IR Remote Control	The GV-IR Remote Control provides easy control of the GV-Tower DVR/NVR/VMS System V2.				

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Overview





Front View Rear View

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