

GV-Tower DVR System



Introduction

The GV-Tower DVR System comes with 4 hot swap drive bays for the storage up to 12 TB. It features the Intel Core i3 processor based on Sandy Bridge architecture, latest upgraded DVR system and 64-bit Microsoft Windows 7. And it supports up to 32 channels of IP camera connections. You can also bring the surveillance on the HDTV with a HDMI cable. It is a towering, affordable, and efficient DVR system that you have ever seen.

Features

- Powered by Intel Core i3 Processor
- 64-bit Windows Embedded Standard 7
- Support for GPU Decoding
- 4-bay hot swap data HDD
- Maximum storage capacity of up to 12 terabytes
- Pre-installed recovery from the hidden partition
- Dual Gigabit LAN ports
- Dual monitor display (VGA and HDMI outputs)
- Support for 3rd party IP cameras with H.264
- Support for 32-channel GV-Hybrid DVR (16-channel hardware compression plus 16-channel digital video Recorder)
- All-in-one solution (Live View, Playback, Recording, Backup, CMS)
- Video analysis (Advanced Motion Detection, Privacy Mask, Scene Change Detection and Counter)
- Fisheye camera dewarping function
- Automatic connection to GV IP cameras
- H.264 / MJPEG / MPEG4
- Dual video streams
- On-screen LED panel for HDD status
- Smart phones access
- Multiple (29) languages

Packaging

- GV-Tower DVR System x 1
- LFH Audio and Video Cable x 1
- Keys for Hard Disk Safety Lock x 2
- Hard Disk Drive Screw x 16
- GV-IR Remote Control x 1
- AC Power Cord x 1
- GV-Tower DVR System Quick Start Guide x 1
- Surveillance System Software DVD x 1

Specifications

System		
CPU	Intel Core i3 Processor	
RAM	4 GB Dual Channels	
OS	64-bit Windows Embedded Standard 7	
DirectX	10.0c	
Connector	Ethernet	RJ-45, 10 / 100 / 1000 Mbps x 2
	Video Output	VGA and HDMI
	USB 2.0	Rear: 6 ports
Fan	7 cm (3 1/8")	2 units
Power	120 W, 100-230 V, 47-63 Hz	
Video and Audio		
Video Standard	NTSC, PAL	
Video Input	16 channels	
Video Input Level	1.0 Vp-p ($\pm 10\%$) composite, 75 ohm	
Audio Input	16 channels	
Audio Input Level	0.5 ~ 1 Vp-p composite	
Video Compression Format	HW: H.264 SW: Geo MPEG4, Geo H.264, MJPEG	
Audio Compression Format	16 kHz / 16-bit	
Display Rate (Max)	NTSC	480 FPS
	PAL	400 FPS
Recording Rate (Max)	NTSC	HW: 480 (D1)
	PAL	HW: 400 (D1)
Video Resolution	NTSC	HW: 704 x 480 SW: 352 x 240
	PAL	HW: 704 x 576 SW: 352 x 288
Live View and Playback		
Camera Name	Max. 32 characters	
Screen Split Control	1x1 / 2x2 / 1+5 / 1+7 / 3x3 / 2+8 / 1+12 / 1+16 / 4x4 / 5x5 / 6x6	
Screen Rotate Control	1 ~ 10 sec.	
Image Control	Contrast / Brightness / Saturation / Hue	
Recording Mode	Round the Clock / Motion Detection / Sensor Detection / Pre & Post Recording / Schedule Recording	
Recording Schedule	96 groups per day by 15 min.	
Instant Playback	10 sec. / 30 sec. / 1 min. / 5 min.	
Pre Recording	1~ 90 sec. (1 FPS)	
Watermark	Support	
Searching and Playback		
Search Method	Date / Time	
Date / Time / Event Search	Selectable on the tree list and calendar	
Log Search	Through the log data to find the video event / time	
Backup Type	DVD+R (DL) / DVD-R (DL) / DVD+R / DVD+RW / DVD-R / DVD-RW / CD-R / CD-RW * For backup function, you need to connect an external USB DVD/CD burner.	
Remote Client Software		
Monitoring Environment	WebCam / Twin Server / CenterV2 / VSM / Control Center / Remote View / IP Multicast / GV-AView for Android Smartphone, GV-Eye HD for iPad, GV-Eye for iPhone and iPod Touch, GV-GView for Windows PDA, GV-MSView for Windows Smartphone, GV-SSView for Symbian Smartphone, 3G-enabled phone	
WebCam Live View	Max. 32 channels transmission (Max. 200 channels accessible)	
Remote Search	WebCam's Remote Playback	
System Monitoring and Recovery		
Power Restoration	Power restored after AC power loss	
Monitoring	Two independent Watchdogs (Hardware Watchdog + Software Watchdog)	
Recovery	Automatic system rebuild from internal hard disk	
Alarm		
Sensor Input	GV-IO Box 16 ports (Optional)	16 inputs
	GV-IO Box 8 ports (Optional)	8 inputs
	GV-IO Box 4 ports (Optional)	4 inputs

Alarm Output	GV-IO Box 16 ports (Optional)	16 outputs
	GV-IO Box 8 ports (Optional)	8 outputs
	GV-IO Box 4 ports (Optional)	4 outputs
Motion Detection		32 channels
Networking		
Type	TCP/ IP, LAN, WAN, Internet, Modem Dial-up, Modem-to-Modem, ISDN	
Environment		
Operating Temp	0 °C ~ 45 °C / 32 °F ~ 113 °F	
Humidity	0% ~ 80% RH (non-condensing)	
Physical		
Color	Black	
Dimensions (W x H x D)	260 x 140 x 260 mm / 10.24 x 5.51 x 10.24 in	
Weight	6.3 kg / 13.8 lb (± 1 kg / 2.2 lb)	
Language		
Type	Arabic / Bulgarian / Czech / Danish / Dutch / English / Finnish / French / German / Greek / Hebrew / Hungarian / Italian / Japanese / Lithuanian / Norwegian / Polish / Portuguese / Romanian / Russian / Serbian / Simplified Chinese / Slovakian / Slovenian / Spanish / Swedish / Thai / Traditional Chinese / Turkish	
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 at an increment of 2	
Optional Combinations	N/A	
Dongle Type	Internal or external	

Note: Product design and specifications are subject to change without notice.

Options

GV-AVP Dongle	Internally inserted to the GV-Tower DVR/NVR System, the AVP Dongle provides the functions of advanced video analysis in GV-System: Panorama View, Video Stabilizer, Defogging, Crowd Detection, Advanced Scene Change, Advanced Missing Object and Advanced Unattended Object.
GV-Data Capture V3 Box	GV-Data Capture V3 Box can integrate the GV-Tower DVR/NVR System to an electronic POS system, while GV-Data Capture V3E Box can establish such integration through LAN or Internet.
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 DVR/NVR's USB port.
GV-COM V2	This unit can add 1 RS-232/RS-485 serial port through the GV-Tower DVR/NVR System's USB port.
GV-IO Box (4 Ports)	GV-IO Box 4 provides 4 inputs and 4 relay outputs, and supports both DC and AC output voltages. A USB port is also provided 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 also provided for PC connection.
GV-Joystick	GV-Joystick facilitates the PTZ camera control. It can be either plugged into the GV-Tower DVR/NVR System for independent use or connected to GV-Keyboard to empower the operation. However, this device can only work on GV-System version 8.2 or later.
GV-Keyboard V3	The GV-Keyboard V3 is designed to program and operate the system, and it can also be connected with PTZ cameras directly for PTZ control.

Overview



Front View



Rear View