GV-Tower NVR System

Introduction

The GV-Tower NVR 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 NVR 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 NVR 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-NVR (pure IP surveillance)
- 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 NVR System x 1
- Keys for Dard Disk Safety Lock x 2
- Hard Disk Drive Screw x 16
- GV-IR Remote Control x 1
- AC Power Cord x 1
- GV-Tower NVR 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		
	GV-Tower NVR (GV)	GV-Tower NVR (3rd Party)
Video Input	32 channels	1, 2, 4, 6, 8, 10, 12, 16, 18, 20, 22, 24, 26, 28, 30, 32 channels
Audio Input	32 channels	1, 2, 4, 6, 8, 10, 12, 16, 18, 20, 22, 24, 26, 28, 30, 32 channels

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