

GV-NVR System Lite

Introduction

The GV-NVR System Lite is a light-weight and an ultra-slim NVR system, which you can record video files directly to the internal hard drive. Exclusively designed for GV IP Cameras for networking surveillance, the GV-NVR System Lite supports a plug and play function to connect up to 4 cameras automatically. The GV-NVR System Lite is an ideal NVR system for small business or retail stores.

Its six USB 2.0 ports enable to connect with multiple peripheral devices, such as USB HDD, USB DVD player and etc. Its Gigabit Ethernet function enables high-speed Internet access for seamless Web browsing. Moreover, our VESA mounting solution allows you to mount the ultra-slim unit on the back of a computer monitor.



Bundled GV IP Cameras

You can select four GV IP cameras from one of the following two combinations:

- Select any 4 units from Section A.
- Select any 3 units from Section A and 1 unit from Section B.

Section	Camera Model	Camera Type	Max. Frame Rate (fps)
A	GV-BX110D	Box Camera	15
	GV-MFD110	Mini Fixed Dome	15
	GV-BL110D	Bullet Camera	15
	GV-PT110D	PT Camera	15
	GV-PTZ010D-N	PTZ Camera	30
	GV-PTZ010D-P	PTZ Camera	25
	GV-SD010D / GV-SD010S NTSC	Speed Dome	30
	GV-SD010D / GV-SD010S PAL	Speed Dome	25

Section	Camera Model	Camera Type	Max. Frame Rate (fps)
B	GV-BX120D	Box Camera	30
	GV-BX220D	Box Camera	15
	GV-BX320D	Box Camera	6
	GV-BL120D	Bullet Camera	30
	GV-BL220D	Bullet Camera	15
	GV-BL320D	Bullet Camera	6
	GV-VD120D	Vandal Proof Dome	30
	GV-VD220D	Vandal Proof Dome	15
	GV-VD320D	Vandal Proof Dome	6
	GV-FD120D	Fixed Dome	30
	GV-FD220D	Fixed Dome	15
	GV-FD320D	Fixed Dome	6
	GV-CB120	Cube Camera	30
	GV-CB220	Cube Camera	15
	GV-FE110/GV-FE111	Fisheye Camera	6
	GV-FE420/GV-FE421	Fisheye Camera	2

Applications

Retail Store, Small Business, Home Security and Entrance and Reception Counter.



- Retail Store
- Small Business
- Home Security
- Entrance and Reception Counter
- CMS (Central Monitoring Station)
 - GV-Control Center
 - GV-Center V2
 - GV-Dispatch Server
 - GV-Vital Sign Monitor
 - GV-GIS
- Smartphones



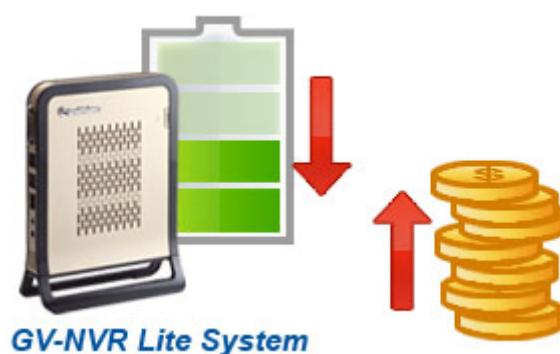
Main Features

- Support GPU Decoding
- Compact and slim
- Up to 4 channels
- Exclusively designed for GV IP cameras
- H.264 / MJPEG / MPEG4 supported
- Dual video streams
- Automatic connection to GV IP cameras
- Video analysis (Advanced Motion Detection, Privacy Mask, Scene Change Detection and Counter)
- All-in-one solution (Live View, Playback, Recording, Backup, CMS)
- Standing mount and VESA mount options
- Pre-installation recovery from the hidden partition
- Direct recording to the internal hard drive
- Low power consumption
- Smart phones access supported (Symbian, Windows Mobile, iPhone, BlackBerry, Android, 3G)
- Fast reboot time (3 minutes) and recovery time (6~8 minutes)
- Multiple (16) languages supported

A compact yet feature-rich solution, GV-NVR System Lite is equipped with a variety of input and output terminals to provide flexible connection options. The built-in Gigabit Ethernet port enables connection to IP cameras, hubs and routers. Other input and output terminals include D-sub, speaker, microphone and six USB ports.



GV-NVR Lite utilizes an energy-efficient Intel processor, which lowers GV-NVR System Lite's energy consumption by up to 50% in comparison to traditional desktop PC.



Specifications

Video Resolution and Frame Rate			
Camera Model	Resolution (Dual Stream)		Max. Frame Rate (fps)
	Recording and Single Live View (H.264)	Quad View (MPEG4)	
GV-BX110D / GV-MFD110D / GV-BL110D / GV-PT110D	1280 x 1024	320 x 256	15
GV-BX120D / GV-BL120D / GV-VD120D / GV-FD120D / GV-CB120	1280 x 1024	320 x 256	30
GV-BX220D / GV-BL220D / GV-VD220D / GV-FD220D / GV-CB220	1920 x 1080	448 x 252	15
GV-BX320D / GV-BL320D / GV-VD320D / GV-FD320D	2048 x 1536	320 x 240	6
GV-PTZ010D-N / GV-SD010 / GV-SD010S NTSC	704 x 480	352 x 240	30
GV-PTZ010D-P / GV-SD010 / GV-SD010S PAL	704 x 576	352 x 288	25
Camera Model	Resolution (Single Stream H.264)		Max. Frame Rate (fps)
GV-FE110 / GV-FE111	1280 x 1024		6
GV-FE420 / GV-FE421	2048 x 1944		2

Note:

- Several resolution, aspect ratio and codec options are available for each IP camera, except GV-FE110 / GV-FE111 / GV-FE420 / GV-FE421. But the default resolution for Quad View images (CIF) cannot be changed.
- When connecting GV-FE420 / GV-FE421, it is required to set the screen resolution to 1280 x 1024 or lower to get better CPU performance.

System		
CPU	Intel Processor	
RAM	1 GB	
OS	Microsoft Windows XP Embedded	
DirectX	9.0c	
Power	Output: 40W, 19V, 2.1A Input: 100~240V, 50~60Hz	
Video		
Video Input	4 channels	
Compression	MJPEG / MPEG4 / H.264	
Live Resolution	CIF for 4 screen divisions	
Recording Mode	Round the Clock / Motion Detection / Sensor Detection / Pre & Post Recording / Schedule Recording	
Instant Playback	10 sec. / 30 sec. / 1 min. / 5 min.	
Pre Recording	1 ~ 90 sec. (1 fps)	
Water Marking	Support	
Audio		
Audio Input	4 channels	
Compression	G.711	
Connector		
Ethernet	RJ-45, 10 / 100 / 1000 Mbps	
DVI Output	DVI-D Output	
USB 2.0	Right Side	2 ports
	Left Side	4 ports
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 / Center V2 / VSM / Control Center / Remote Playback Server / Remote View / IP Multicast / GView / MSView / SSView / Remote View / 3GPP / AView / iView / iView HD	
WebCam Live View	Max. 4 channels transmission	
Remote Search	WebCam's Remote Playback / Remote Playback Server	

System Monitoring and Recovery		
Power Restoration	Power restored after AC power loss	
Monitoring	Software Watchdog	
Recovery	Automatic system rebuild from internal hard disk.	
Sensor and Alarm		
Sensor and Alarm	GV-IO Box 16 ports (Optional)	16 inputs, 16 outputs
	GV-IO Box 8 ports (Optional)	8 inputs, 8 outputs
	GV-IO Box 4 ports (Optional)	4 inputs, 4 outputs
Motion Detection	4 channels	
Networking		
Type	TCP/ IP, LAN, WAN, Internet, ISDN	
Environment		
Operating Temp	0 °C ~ 35 °C / 32 °F ~ 95 °F	
Humidity	0% ~ 80% RH (non-condensing)	
Physical		
Color	Champagne gold	
Dimensions (W x H x D)	153.5 x 20 x 172.5 mm / 6.04 x 0.79 x 6.79 in	
Weight	650 g / 1.44 lbs	
Language		
Type	English / Czech / Danish / French / German / Hebrew / Hungarian / Italian / Japanese / Polish / Portuguese (Brazil) / Russian / Serbian / Spanish / Simplified Chinese / Traditional Chinese	

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

Packaging

- GV-NVR System Lite x 1
- GV IP camera x 4 (The shipping models of the GV IP cameras are by order.)
- AC Power Cord x 1
- Power Adapter x 1
- Base Stand Kit (1 Base Stand Screw included) x 1
- VESA Monitor Mount Kit (1 Stand Screw and 4 Fix Screws included) x 1
- GV-NVR System Lite Quick Start Guide x 1
- Surveillance System Software DVD x 1

Note: The bundled software (no matter pre-installed in the GV-NVR System Lite or included in the Software DVD) is a lite version, specially designed for the GV-NVR System Lite to implement the GV IP cameras:

1. It includes a lite version of video analysis applications, featuring Advanced Motion Detection, Privacy Mask, Scene Change Detection and Counter (for one camera and one detection line) only.
2. The ViewLog player only supports Single View playback. For Quad View or Multi View playback, you need to additionally install Remote ViewLog from the Software DVD.