

Granvista Plus

2M-pixel Panorama Network Camera

To realize your expectation of seeing the whole view clearly with one single camera!!!

GVP-270 is a compact and high resolution (1600x1200) Panorama Network Camera featured with superior H.264-AVC performance and multiple functions. This excellent model has been designed for a breakthrough on the constraint from the conventional lenses' view angles that it may satisfy users' expectations to see the whole view of the installation site with one single camera. GVP-270 supports IEEE802.3af PoE (Power over Ethernet) standard thus it makes the installation even more easier with simply an Ethernet cable from the PoE switch. GVP-270 is perfect for indoor applications such as lobbies, factories, retailer stores, residence, restaurants, hotels, schools and pre-schools, caring centers, etc. GVP-270's H.264 video compression has significantly lowered down the requirements for bandwidth and storage size without compromising image quality. Motion JPEG and multiple independent video streaming are also supported for even better flexibility.



GVP-270

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Main Features:

- ◆ 2 Mega CMOS image sensor (1600 x 1200 resolution)
- ◆ Panorama 180 & 360 degrees full views
- ◆ Built-in distortion correction with best performance
- ◆ Mechanical ICR (IR-cut filter removable)
- ◆ Two-way audio support with built-in high sensitive microphone & speaker
- ◆ Digital input/output for alarm triggering
- ◆ Support PoE (Power over Ethernet)
- ◆ Digital PTZ
- ◆ Allow users to create flexible user interfaces with local languages easily
- ◆ Support Micro SD card (32GB max) for data storage
- ◆ Periodic, motion-detection and hardware input based event triggering
- ◆ Allows real-time monitoring via PC and 3G mobile phone
- ◆ H.264 Multiple Streaming

Specifications of GVP-270

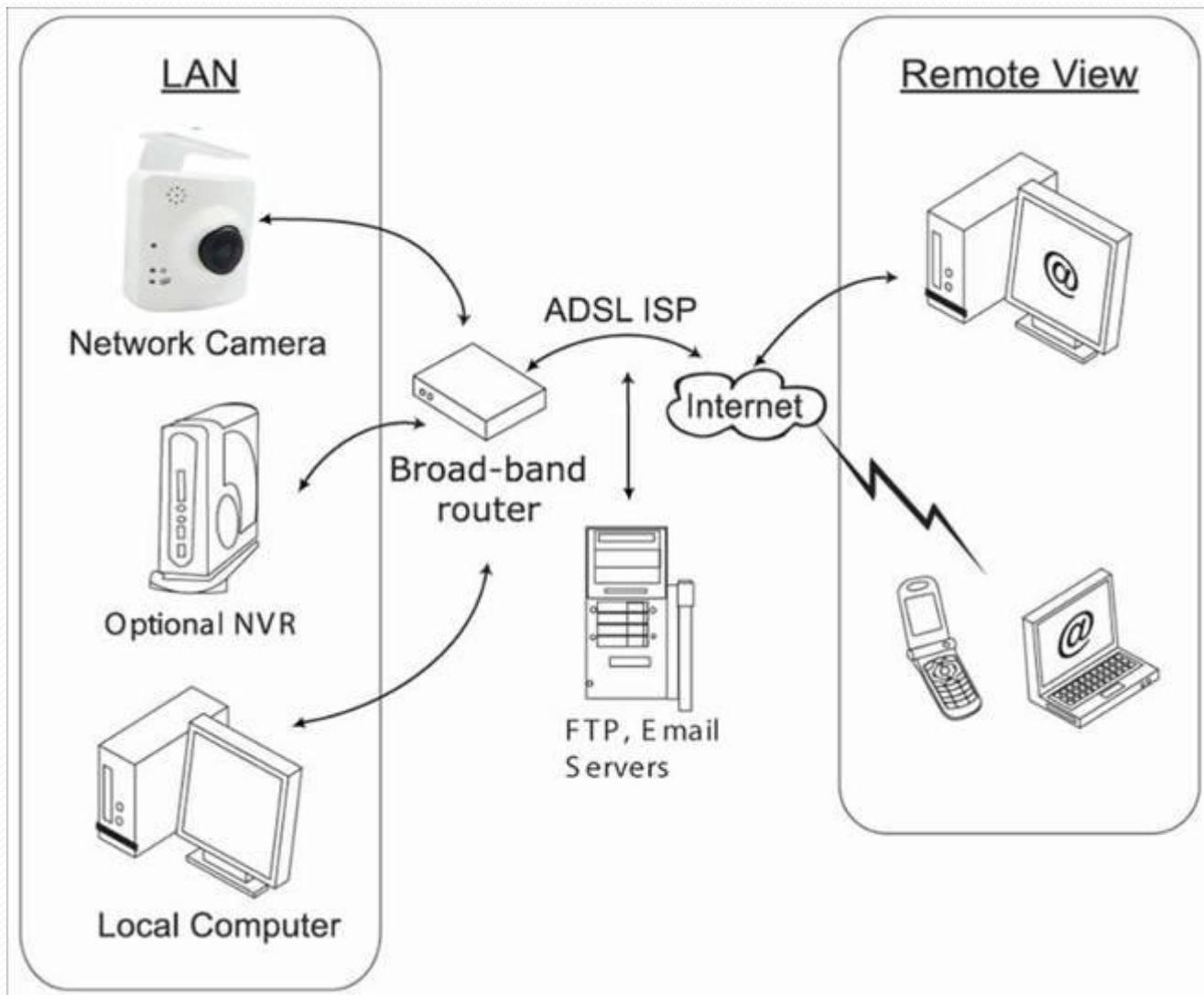
Video Compression		H.264 / Motion JPEG
Maximum Video Resolution		2 Megapixels; 1600x1200; UXGA
Image Layout	Wall Mount 360 Degrees	360° Source View
		180° Broad View +2 PTZ View Mode
		Source View with 3 PTZ
		Single Broad View
	Wall Mount 180 Degrees	180° Single Broad View
		180° Source View +1 PTZ Mode
		2 PTZ Mode View
	Ceiling Mount 360 Degrees	360° Source View
		Quad View Mode
Bit Rate	2M~6Mbps (CBR/VBR configurable H.264)	
Resolutions	Stream 1	1600 x 1200@ 15FPS (4:3)
		800 x 600@ 15FPS (4:3)
		640 x 480@15FPS (4:3)
		1280 x 720@30FPS (16:9)
		800 x 450@30FPS (16:9)
		720 x 405@30FPS (16:9)
	Stream 2	640 x 360@FPS (16:9)
		640 x 480@15FPS (4:3)
		320 x 240@15FPS (4:3)
		640 x 360@30FPS (16:9)
	Stream 3 (Cellular phone Only)	320 x 180@30FPS (16:9)
		640 X 480@1FPS (4:3)
Image Device		2 Megapixels CMOS Sensor
Lens type		Fish-Eye Lens, FOV=180° (D/V/H in Full Capture Mode) F2.19, 1.25mm
Infrared Light Filtering		ICR Mechanical with Light Sensor
Video Control		Controllable Frame/Bit-Rate (Bandwidth) , VBR/CBR Control, Backlight Compensation
Image Adjustment		Brightness, Saturation, Sharpness, Exposure, White Balance Control
Event System	Trigger	Motion Detection
	Action	File Upload via FTP, E-mail and Micro SD Card, Notification via E-mail
Local Storage		Micro SD Slot Card, Scheduled Recording, Full Over-Write
Image Capturing Improvement		Keystone Correction, Manual Adjustment
Audio Capability		1 x Line In, 1 x Line Out
		Built in speaker, Built-in Microphone
Audio Compression		G.711 / AAC

Network Interface		10BASE-T/100 BASE-TX
PoE		IEEE802.3 af
Protocols		HTTP, HTTPS, TCP/IP, IPv4, UDP, SMTP, FTP, DHCP, DDNS, NTP, DNS, ARP, RTSP, RTP, Bonjour, UPnP
Security		Password Protection, Https Encryption, User Assess log Administrator: All Functions User: View and Video Adjustment Guest: View Only
User Environment Requirements		
System Requirement		CPU: Intel Pentium D Processor
		RAM: 1GB
		Graphic Card: 256MB (with H.264 decoder)
Browser		Microsoft Internet Explorer 6, 7 or 8, Firefox Google Chrome or Safari (only IE may support full two-way audio)
Hardware Operation & Characteristics		
I/O Connectors		1 x RJ45 10BASE-T/100 BASE-TX
		1 x DC jack; 12V DC 1A
		1 x Audio Line Out/1x Audio Line In
		1 x Micro SD Slot
		1 x Default Setting Button
		1 x I/O Terminal Connector; 1 x DI / 1 x DO
Power Supply		1. PoE 2. Optional AC/DC switching adapter (DC 12V/1A)
Dimensions		W 81 x H 81 x L 52mm
Net Weight		230g
Power Consumption		5W
Operation Temperature		0° - 50° Celsius
Operation Humidity		20%-80% RH
Package contents		1 x CD (User's Manual and Software)
		1 x Quick Installation Guide
		1 x Accessory pack (Screws, Bracket)
		1 x Power Adapter (Optional)

The above information is subject to upgrades or necessary changes without notice.

Granvista Plus

Network Applications



What the lens actually sees – 360 degrees view

GVP270
2012-01-06 13:06:25



Broad view + PTZ x 2 mode



Source view + PTZ view x 3 mode



Single Broad View mode



Ceiling View mode

for mounting under the ceiling



Good for office applications

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Some of the good features need to highlight to you:

✓ In addition to the free-bundled Windows software with NVR functionality and our Linux-based dedicated NVR products for video data storage, the users may also have the video data stored into the Micro SD cards, or the shared disk spaces from the PC disks in LAN.

✓ You should agree that the 1600x1200 clear images can be very helpful too. We firmly believe that the users will also enjoy following good functions.

- **Event photo-image or short video-clip triggering:**

- a. Motion-detection: good for intruder detection, or automatic event logging
- b. Periodic triggering: configurable, can be as frequent as one image per second
- c. hardware input triggering: triggered by signals from other system

- **Where do the triggered photo-images go?**

- a. Directly be saved into the Micro SD card on the slot
- b. Be sent to a designated FTP server for storage
- c. Be sent to the designated Email account

- **Event notification:** An optional Email notification with pre-programmed messages can be sent out immediately to notify the user of the event

✓ As many 3G mobile phones may support Internet access thus the real-time video stream, event photo images and email notifications can be flexibly received timely.

✓ The camera's hi-sensitivity two-way audio functionality is extremely helpful for real-time monitoring and event handling

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The free-bundled Windows-based NVR software is able to well-satisfy your basic requirements for video/audio real-time monitoring, recording and data playback already without extra cost for buying other software. Depends on the performance of the PC, at most 32 cameras can be integrated into the system.



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The Best-Selling “Camera + SOHO NVR” Package
For the users’ advanced requirements

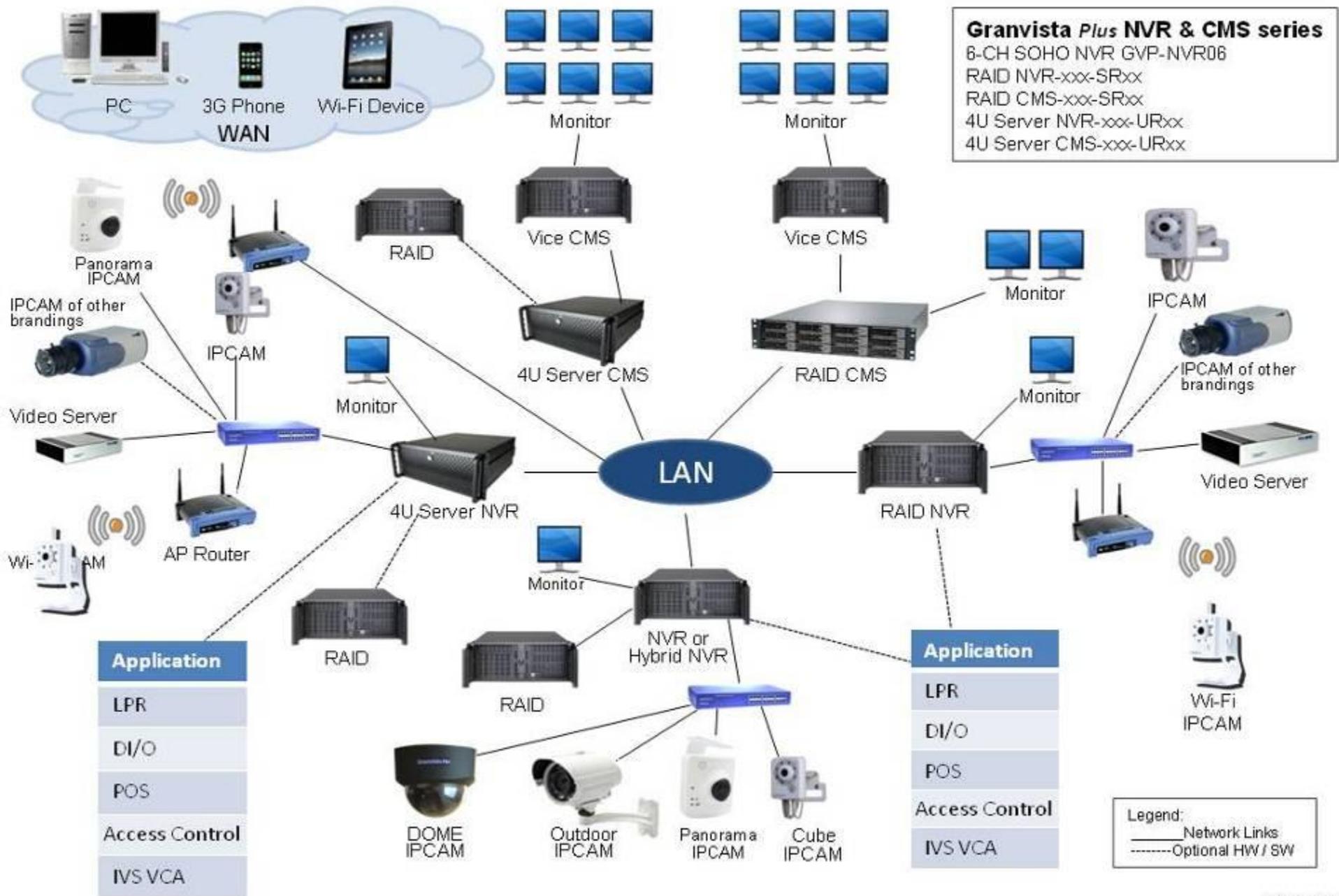
Up to 6 cameras connectivity capacity



GVP-NVR06

For best pricing competitiveness and SOHO NVR hardware’s optimal after-sales services and local warranty, strategically we allow our regional partners to only purchase the firmware which is stored in DOM (disk on module) from us, and to purchase and assembly the hardware locally.

Granvista Plus NVR / CMS Network Structure Diagram



Why Linux?

- The whole Granvista *Plus* series NVR products are of Linux system.
- Not like ordinary Windows platforms, Linux is much safer against virus attacks. The data will be much more secured, and no extra costs for purchasing Anti-virus software.
- Very user-friendly interface designed solely for users' convenience.
- Not like ordinary Windows systems which are loaded from hard disks, the NVR's programs are loaded from Flash DOM (Disk on Module) that they do not have the disadvantages of PC's hard disks which may easily be damaged in case of sudden power interruption.
- Free from all the troublesome product upgrades which Windows OS requires repeatedly against new security issues found.
- Big save on the cost that no purchase on Windows OS is required.

Some typical misunderstandings need to be clarified

- **Do the users need Internet connections to get the network cameras work?**
 - ✓ The users DO NOT necessarily need Internet connections to make the systems work.
 - ✓ If the users want to access the camera views from remote, or Internet, the users will need Internet connection; otherwise, no need.
 - ✓ The camera can directly connect to PC through the Ethernet ports without the hub or switch too. The PC may connect many cameras if the hub or switch is available.
 - ✓ At the installation sites such as individual houses, retailer stores or offices what the users need are the PCs, network hubs/switches, and the cameras to make the systems work. Even if the Ethernet connection is not available or has been cut off, the cameras still may keep on working to store video or snap-shot images into its Micro-SD card if available.
 - ✓ Although the cameras may work without Internet connection, but Internet applications surely are good features for the modern users.
- **Do the users need to pay for other software?**
 - ✓ No, basically the users do not need to spend extra money for additional software, unless they are looking for even more advanced features of specific requirements. .
- **Is NVR a must for video recording?**
 - ✓ No, the users may store the data into the cameras' Micro SD slot (up to 32GB), the folder in local area PC too. NVR is optional for more serious security requirements and advanced features.