

neVio Series



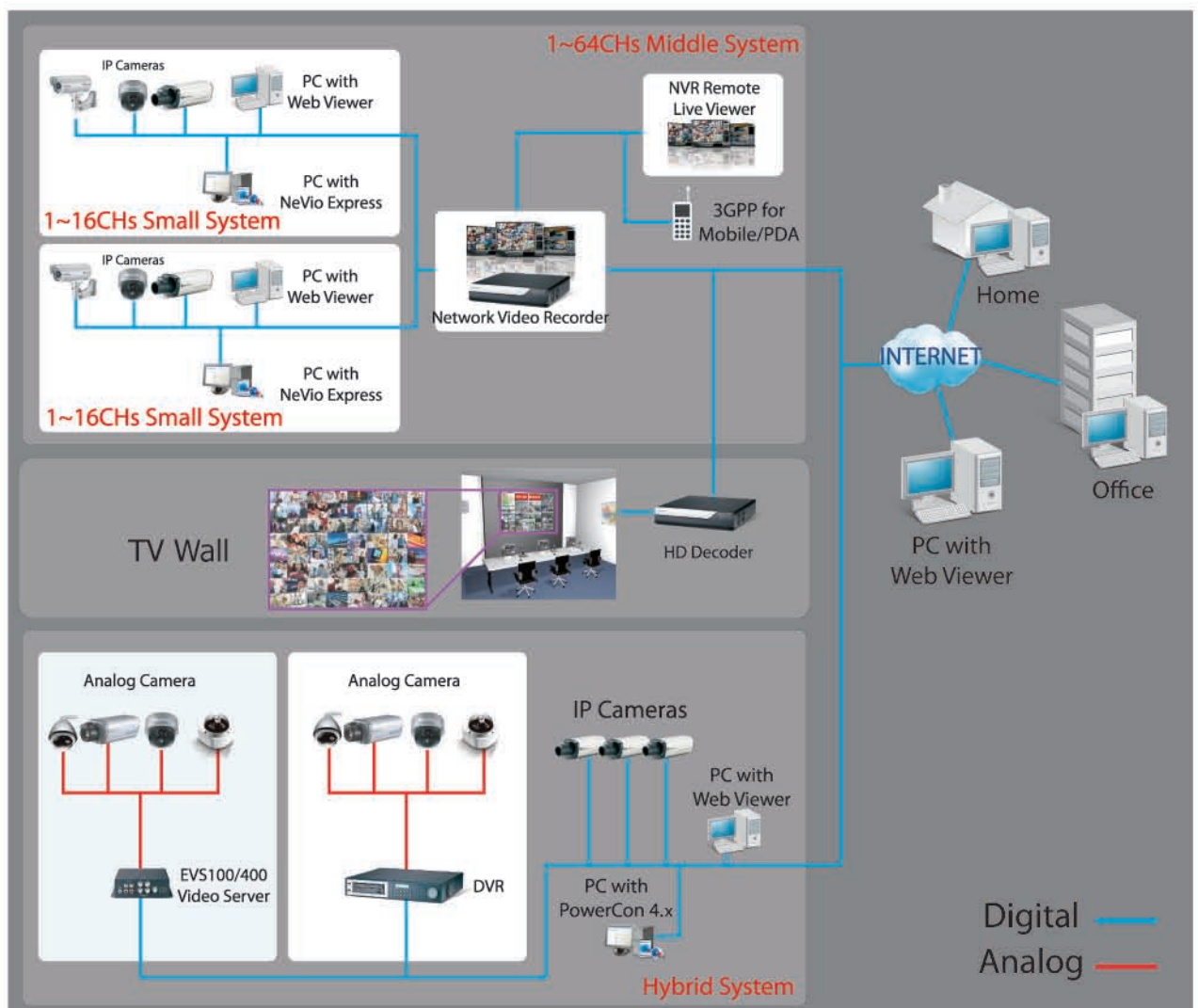
NeVio Series Enterprise Level Network Surveillance

NeVio Series Enterprise Level Network Surveillance with H.264/MPEG4/M-JPEG Triple Stream.

As the security industry progresses into the digital age, EverFocus continues to stay ahead of the competition by using the latest technology and state-of-the-art manufacturing equipments, providing high quality and affordable CCTV products. Network surveillance system provides many great benefits and functionalities that simply cannot be accomplished with an analog surveillance system. These major advantages include remote accessibility, high image quality, event management and cost-effectiveness. With the new NeVio Series IP network cameras, you have an IEEE 802.3af standard PoE (Power over Ethernet), which means your networking devices get its power from a PoE-enabled switch over a standard cable that transmits data and video. PoE also gives the camera centralized backup power, so they continue to work even with a power failure. NeVio cameras also provide digital motion detection and digital zoom, two-way audio and notification alarm. NeVio Series IP cameras offer solutions that are suitable for any surveillance, giving you the freedom to know and witness all the current activities going on from anywhere in the world!

System Example

Monitor, access and record high quality images remotely over the Internet or a LAN/WAN network with NeVio Series IP cameras.

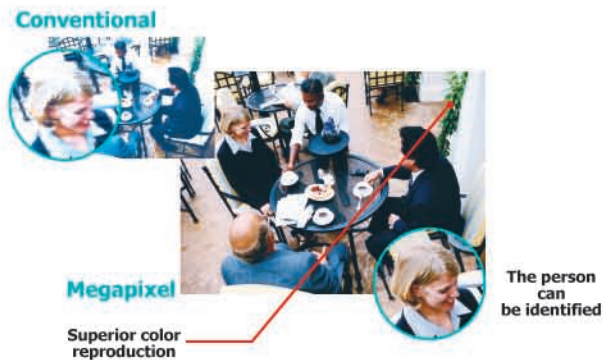


To accurately identify people or objects involved in a vital incident captured on video surveillance, high image quality is essential. EverFocus can make this possible with megapixel and de-interlacing technologies to deliver clearer image quality with higher resolution.

Megapixel*

Traditional analog cameras have a resolution limitation at 0.4 megapixels. The NeVio Series EAN900 megapixel IP camera incorporates a megapixel image sensor, delivering outstanding image quality of 1.3 million pixels. This is three times better pixel resolution than what can be provided by an analog camera. Megapixel cameras are helpful in identifying people and objects, enabling viewers to see details in a higher resolution image.

*Applicable models: EAN900



De-interlacing

Interlaced scanning is the technique for capturing images in analog cameras. This method works well when capturing still objects. Interlacing can lead to blurry imaging during a motion scan. This is a major drawback in surveillance. NeVio Series IP cameras use the de-interlacing method to eliminate motion blur created from interlacing.



Interlaced Scan:
Due to the blur, this man's face cannot be easily identified

De-interlacing:
Eliminating motion blur for a clear visibility of this man's face

True Day/Night*

NeVio IP cameras offers true day/night feature with manual IR cut filter for day or night performance. During the day, the IR cut filter is utilized for daytime true color recognition and is removed in low-light conditions to maximize infrared sensitivity for clear night vision image. It offers unparalleled image quality with simultaneous H.264/MPEG-4/MJPEG video streams, which allows the system to optimize image quality and bandwidth efficiency.

*Applicable models: EAN850A, EZN850, EAN900



Conventional
Details are unclear

NeVio
The entire screen is clear

DNR (Digital Noise Reduction)*

It is necessary to amplify the image signal when capturing images under low light conditions. This, however, causes an increase in noise as well. In the NeVio Series, 2D-DNR for motion area and 3D-DNR for static area are effectively combined, realizing a clear low noise image with less motion blur and resolution deterioration.

*Applicable models: EAN850A, EZN850



Conventional

NeVio

Multi-streaming

EAN850A allows real-time monitoring in H.264 or MPEG4 compression while recording images in M-JPEG simultaneously. To save hard drive space, users can choose to record with H.264 while viewing live video in M-JPEG.



Built-in SD Card Slot

All NeVio Series IP cameras are equipped with a built-in SD card slot for local storage. In case of a network failure during data transfer onto a FTP server or network recorder, video images can be automatically backed-up with a SD card to prevent image loss. The SD memory card also supports SDHC, schedule and event recording.



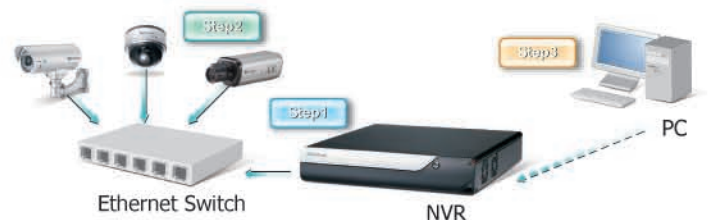
PoE (Power over Ethernet)

Utilizing Power over Ethernet (PoE) IEEE 802.3af, power and signal can be transmitted over the same cable, eliminating the need for local camera power. PoE also gives the camera centralized backup power, so they continue to work even with a power failure.



UPnP (Universal Plug and Play)

The UPnP feature can simplify installation with PCs, allowing NeVio cameras to connect to a network at home, office or corporate environments.




NeVio Express Software

Free Bundle 16 Ch. NeVio Express Software

NeVio Express is a web-based video management software designed for multi-channel viewing, playback and recording. The software comprise a user-friendly installation procedure that will guide you though the simple steps to managing your video via a web browser. NeVio Express software is easy to install and easy to use, offering a simple solution to remote video management. .

Features

- Manage up to 16 NeVio Series network cameras
- Triplex operation: simultaneous live viewing, playback and recording
- Browser based software
- Easy to use, easy to install
- Manage chedule, event and manual recording to local PC
- Remote viewing and playback



NVR Surveillance Management Software

EverFocus NVR Surveillance Management Software

Manage up to 64 camera simultaneously with the EverFocus enterprise-level NVR Management Software. The NVR features include Triple Monitor real-tim A/V display, Intelligent Detection, Instant Event Response, PTZ operation, GUI Recording and much more.

Features

- Video enhancement tool
- Real-time reviewer and filter
- Multiple I/O support
- Support EverFocus NeVio Series IP cameras and video servers
- PTZ reaction presets and distance operations
- Digital PTZ and Multi-dynamics viewer
- Triple Monitor Display (two for live video and one for playback recording video)
- Smart detection of 6 different camera events
- 10 Immediate reaction for event detection
- Counting Application
- I/O Devices Integration
- Multi-functional playback system with Intelligent Search
- Remote live viewer, playback backup, IO control, desktop configuration



- Alarm source of NUJO Central Management system
- Compatible with Joystick
- Most Friendly Graphic User Interface
- E-Map
- Transcode
- Watermark
- Database rebuild tool
- Support 3rd Party Megapixel cameras, IP cameras and video servers
- POS Box to integrate POS and Cash Registers (optional)



Network Camera

H.264/MPEG-4/MJPEG Network Camera

EverFocus NeVio Series network cameras offer H.264/MPEG4/M-JPEG digital signal output with up to 30 FPS at full D1. NeVio IP cameras can support 4 independent video streams, providing different compression formats and resolutions. Utilizing Power over Ethernet (PoE) IEEE 802.3af, power and signal can be transmitted over the same cable, eliminating the need for local camera power. NeVio Series IP cameras are equipped with a built-in SD card slot (supports SDHC) for event or schedule recordings. NeVio Series also features digital motion detection, transmitting alarm signals when moving object enters the scene. View and record your cameras remotely over a network or the Internet with NeVio Series for an endless variety of IP surveillance applications.

Specifications

Product Lineup	EAN900	EAN850A	EAN800A/EAN800AW	EDN800	EDN850H	EZN850
CAMERA						
Camera Type	Indoor Megapixel Network Camera	Indoor Super Low Lux Network Camera	Indoor Advanced Network Camera	Indoor Vandal Resistant Network Dome	Outdoor Day/Night Network Dome	Outdoor Bullet Style IR Network Camera
Pickup Device	1/3" Sony Super HAD Interlaced CCD					
Pixel Effective	NTSC: 768 (H) x 494 (V); PAL: 752 (H) x 582 (V)					
Sensitivity	0.5 Lux / F=1.2	0.002 Lux (SENS-UP X128); 0.25 Lux / F=1.2	0.4 Lux / F=1.2		0.002 Lux (SENS-UP X128); 0.25 Lux / F=1.2	0.002 Lux / F=1.2 (IR Off, SENS-UP 128x) 0 Lux (IR On)
Day/Night	True Day/Night with IR cut filter		AUTO/OFF		True Day/Night with IR cut filter	
Lens	Optional C/CS mount, manual / DD control supported			Vari-Focal Lens (3.7~12mm)	Vari-Focal Lens (2.8~10mm)	Vair-focal 6~50mm, 9x optical zoom
Video Output	BNC socket, composite 1 V p-p / 75Ω					
Video Output Resolution	1.3 Megapixel	560 TVL	520 TVL	520 TVL	560 TVL	
IR Distance	N/A					50M
IR Wavelength	N/A					850mm
VIDEO STREAMING						
Video Compression	H.264/MPEG-4/M-JPEG					
Video Resolution	Max. 1280x1024	4CIF, VGA, CIF, QVGA, QCIF				
Video Quality	8 level adjustable					
Frame Rate	Up to 15fps in 1280x1024	Up to 30fps				
AUDIO						
Microphone	Built-in	Built-in	Built-in	N/A	Built-in	N/A
Operation Mode	Two-way audio	Two-way audio	Two-way audio	N/A	Two-way audio	N/A
NETWORK						
Interface	10Base-T/100Base-TX auto-negotiation, RJ-45 socket Support MDI/MDI-X auto crossover function					
Supported Protocols	HTTP, TCP / IP, UDP, RTP, RTSP, FTP, SMTP, DHCP, DNS, DDNS, NTP, uPnP					
Bandwidth Control	Min. 64 k Byte/sec adjustable					
Max. Client Limit	32 simultaneous clients					
Wireless	N/A	N/A	Built-in IEEE802.11b/g (for EAN800AW)	N/A	N/A	N/A
TERMINAL I/O						
RS-485	Yes	Yes	Yes	N/A	N/A	Yes
Alarm Input/Output	1/1	1/1	1/1	1/1	1/1	1/1
Power Output	N/A	N/A	N/A	N/A	N/A	DC12V for external IR illuminator
EVENT MANAGEMENT						
Event Trigger	Alarm input, Manual trigger, Motion detection and Schedule recording					
Notification	Trigger alarm output, email notification, upload video to FTP and record video to SD card, PC or network alarm					
Pre- and Post- alarm Buffer	48MB RAM reserved for pre-alarm record up to 120 sec.					
LOCAL STORAGE						
SD Card	SD card interface for local storage. Support SDHC					
POWER						
Power Supply	12 VDC & PoE				AC24V / AC100V~240V	
Power Consumption	5W max. (12VDC)				24VAC: 28W max. (Heater/ON & IR LED/ON) 100VAC~240VAC: 8W max. (Heater/ON & IR LED/ON)	
OTHER						
Weatherproof Rating	NO				IP66	IP66 (with Fan & Heater)
Vandal Resistent	NO				Yes	
Dimension	136 x 68.5 x 56.5 mm / 5.4" x 2.7" x 2.2" (L x W x H)			127 x 112.8 mm / 5" x 4.4" (W x H)		295 x 115 mm / 11.8" x 4.5" (W x H)
Operating Temp.	0°C ~ 40°C / 32°F ~ 104°F					-40°C ~ 50°C / -40°F ~ 122°F
Humidity	< 90% not condensing					

Network Camera

EAN850A Super Low Lux Network Camera

- Triple stream H.264/MPEG-4/MJPEG digital signal output with up to 30FPS at 4CIF
- H.264/MPEG4/MJPEG output for simultaneous live monitoring and high resolution recording
- Support 4 independent video streams that can provide different compression formats and resolutions
- Power over Ethernet (PoE) IEEE 802.3af
- Built-in Dynamic Noise Reduction (DNR) for noise reduction and a 70% saving of disk storage
- Super high sensitivity of 0.002 Lux/F=1.2 is achieved by setting SENS-UP 128x
- Bandwidth control: 64K/128K/256K/1M/2M/4M/8M bps



* Lens sold separately



EDN800 Network Vandal Resistant Dome Camera

- Triple stream H.264, MPEG4 and MJPEG digital signal with up to 30 FPS at 4CIF
- H.264/MPEG4/MJPEG streaming for simultaneous live monitoring and high resolution recording
- Support 4 independent video streams to provide different compression formats and resolutions
- Day/Night for 24 hour monitoring
- High sensitivity of 0.4 Lux/F=1.2
- Built-in vari-focal lens
- Manual Pan/Tilt mechanism for easy lens adjustment
- Power over Ethernet (PoE) IEEE 802.3af
- Support MDI/MDI-X auto crossover function
- Bandwidth control: 64K/128K/256K/1M/2M/4M/8M bps



EZN850 Outdoor Network Bullet with Motorized Lens Controller

- H.264/MPEG4/MJPEG multi stream output
- Up to 30fps output at 4CIF image size
- True Day/Night function with ICR module
- Built-in DNR (Dynamic Noise Reduction) for noise reduction and a 70% saving of Disk storage
- The starlight Super-high sensitivity of 0.002 Lux/F=1.2 is achieved by setting SENS-UP Shutter 128x
- Motorized lens controller with 9x optical zoom
- Up to 20,000 hours of high LED lifespan
- Vandal proof and IP66 weather proof approval



EAN900 1.3 Megapixel Network Camera

- 1.3 megapixel 1/3" progressive scan CMOS sensor with high sensitivity
- Built-in H.264, MPEG-4 and MJPEG digital signal output at 1280x1024 image size with up to 15fps
- H.264/MPEG4/MJPEG multi stream output for simultaneous live monitoring and high resolution recording
- Power over Ethernet (PoE) IEEE 802.3af
- True Day/Night function with removable IR cut filter
- User-friendly Smart Event Wizard for Event/Schedule/Alarm recording to PC or SD Card
- Triggered Alarm when motion is detected



* Lens sold separately

EAN800A/800AW Advanced Network Camera

- Built-in H.264, MPEG-4 and MJPEG multi stream output at Full D1 image size with up to 30fps
- The high sensitivity of 0.4Lux/F=1.2 is achieved by using the advanced 1/3"Sony Super HAD color CCD
- Power over Ethernet (PoE) IEEE 802.3af
- Smart Wizard settings for varied Event and schedule recording conditions.
- Built-in SD memory card slot for local storage and support SD High Capacity (SDHC)
- Built-in digital Motion Detection
- Built-in digital zoom function (10x)
- Built-in 802.11b/g WLAN (EAN800AW)
- Two Way Audio



* Lens sold separately

EDN850H Outdoor Day/Night Dome Network Camera

- Built-in H.264/MPEG-4/MJPEG digital signal output at Full D1 image size with up to 30fps
- The starlight Super-high sensitivity of 0.002 Lux/F=1.2 is achieved by setting SENS-UP Shutter 128x
- Built-in DNR(Dynamic Noise Reduction) for noise reduction
- True Day/Night function with ICR module
- Built-in vari-focal lens (2.8~10mm)
- Two way audio
- Vandal proof & weatherproof



* Models vary in different countries. Please visit EverFocus regional websites for detailed ordering information.

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* Not all models featured are available in all countries. For accessories and other product information, please visit www.everfocus.com

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2. EverFocus is not responsible for network performance and/or other manufacturer products that reside on the network
3. All product weights and dimensions are approximate.
4. All products may be subject to export control regulations
5. All product photographs were taken for the purpose of explanation. Actual images may differ.
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