Intelligent IP Solution with Triplex Operation

IP99 Series

EverFocus®

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The intelligent IP surveillance system creates digitized video streams, which are transferred over a computer network. The benefits of IP surveillance includes digital imaging, elimination of cabling and installation, low maintenance costs, plus a wide range of innovative functions and features which are only possible with digital technology.

EverFocus IP99 Series network cameras can connect to any IP network, including the Internet, and enables remote monitoring and recording from anywhere in the world. The IP99 Series delivers cost-effective IP surveillance for any surveillance application.
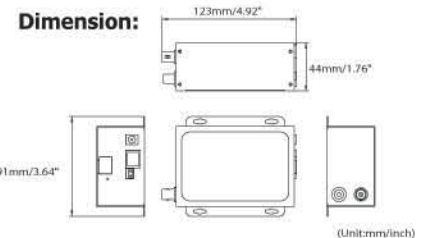
EVS110 (1 Ch. Video Server)

The EVS110 single channel video server can integrate an analog video feed into an IP based network security system. With the EVS110, digitized video can be streamed over IP networks in the same way that an IP camera can. This video server will deliver MPEG4 images at up to 30 frames per second at full D1 (720x480) and supports video motion detection. EVS110 is equipped with user friendly browser-based software for simultaneous viewing, recording and playback. No additional software required.

Features

- Browser based, no additional client software needed
- MPEG4 digital signal at up to 30 frames per second at full D1 (720x480)
- Support motion detection recording, alarm recording, manual recording
- Email notification or FTP video upload upon motion detection and alarm
- Easy on-screen PTZ control for PTZ device
- Record, playback and live viewing simultaneously
- Built-in alarm function (two alarm inputs/outputs) for external security devices
- View any or all IP99 series cameras and encoders simultaneously in web browser

PTZ Support | Smart Event Wizard | FTP/SMTP Client Support | Web Viewer | Motion Detection Support | True Triplex

Dimension: 123mm/4.92" | 44mm/1.76" | 91mm/3.64"

(Unit:mm/inch)

Order Information

EVS110/N: Video Server, with USA power adapter   **EVS110/P:** Video Server, with EU power adapter

Specification

Video	
Video Format	NTSC/PAL
Video Input	BNC socket, composite 1 V p-p/75
Video Compression	MPEG-4
Video Resolution	D1: 720 x 480 (NTSC) 720 x 576 (PAL)
	Half D1: 704 x 240 (NTSC) 704 x 288 (PAL)
	CIF: 352 x 240 (NTSC) 352 x 288 (PAL)
	QCIF: 176 x 120 (NTSC) 176 x 144 (PAL)
Frame Rate	Up to 30fps
AUDIO	
Audio Input	One way audio
Audio Format	A-Low/u-Low
NETWORK	
Interface	10Base-T/100Base-TX auto-negotiation, RJ-45 socket
Supported Protocols	HTTP, TCP/IP, UDP, FTP, NTP, SMTP, DHCP, DNS, DDNS, PPPOE
Network Security	3 levels of security protection
Client Limit (Max.)	20 clients simultaneously
PTZ Device Control	RS485 (Pelco-P/Pelco-D)
RECORDING	
Manual Recording	Up to 30fps
Motion Detection	Up to 30 sec. pre-event recording and 60 sec. post-event recording

Alarm Recording	Up to 30 sec. pre-event recording and 60 sec. post-event recording
MOTION DETECTION & ALARM	
Physical Alarm I/O	2 channel alarm input/output
Notification	Record video to PC , Send email notification (jpeg file), FTP upload upon motion detection and alarm trigger
Manual Trigger Alarm Output	Yes, High or Low Button in Alarm Setting
PLAYBACK	
Playback Video Source	Local PC
Playback Speed	Forward x2, x4, x16, x32. Rewind x1, x2, x4, x16, x32
POWER	
Power Supply	12 VDC
Power Consumption	6W max
PHYSICAL	
Weight	370g / 0.815 lbs.
Dimension	91mm (W) x 123mm (D) x 44mm (H) ; 3.64" (W) x 4.92" (D) x 1.76" (H)
ENVIRONMENTAL	
Operating Temp.	-10°C ~ 50°C / 14°F ~ 122F°
Humidity	20%~80%

EIP220 (Network Camera)

The entry-level IP99 Series EIP220 network camera offers indoor surveillance and remote monitoring. EIP220 is engineered with user friendly browser-based management software (IP99 Express) for simultaneous viewing, recording, playback and management of multiple EIP220 cameras (no additional software required). Video can be uploaded over an FTP or email when EIP220 detects motion or is triggered by an alarm sensor. The EIP220 is ideal for securing small businesses, home offices and residences over a local area network or the Internet.
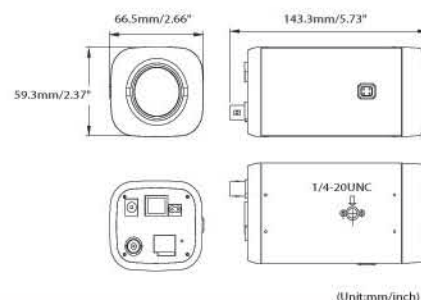
Features

- Simple Day/Night feature
- Browser based, no additional client software needed
- Supports MPEG4 images at up to 30 frames per second at up to full D1 (720x480)
- 1/3" Sony Super HAD color CCD with the high sensitivity of 0.3 lux/F=1.2
- AGC, BLC, Contrast and Color adjustable control through web browser MPEG4 digital signal at up to 30 frames per second at full D1 (720x480)

- Support motion detection recording, alarm recording, manual recording
- Email notification or FTP video upload upon motion detection and alarm
- Easy on-screen PTZ control for PTZ device
- Record, playback and view live simultaneously
- View any or all IP99 series cameras and encoders simultaneously in web browser.

AWB Yes	BLC Yes	AGC Yes

True Triplex	Smart Event Wizard	FTP/SMTP Client Support	Web Viewer	Motion Detection Support

Order Information

EIP220/N: Network Camera, NTSC, DC12V

EIP220/P: Network Camera, PAL, DC12V

Dimension:

66.5mm/2.66" 143.3mm/5.73" 59.3mm/2.37"

1/4-20UNC

(Unit:mm/inch)

Specification

CAMERA	
Pickup Device	1/3" Sony Super HAD Interlaced CCD
Video Format	NTSC/PAL
Pixel Effective	NTSC: 510 (H) x 492 (V); PAL: 500 (H) x 582 (V)
Sensitivity	0.3 Lux/F=1.2
Day/Night	Yes
Lens	C/CS Mount
Video Output	BNC socket, composite 1 V p-p/75
Video Output Resolution	380 TVL
AUDIO	
Audio Input	One way audio
Audio Format	A-Low/u-Low
VIDEO	
Electronic Shutter	Auto/Manual
Backlight Comp.	On/Off
Mirror	On/Off
Auto Iris	Direct Drive Switch
AGC/Brightness/Contrast/Color	Adjustable
Video Compression	MPEG-4
Video Resolution	D1: 720 x 480 (NTSC) 720 x 576 (PAL)
	Half D1: 704 x 240 (NTSC) 704 x 288 (PAL)
	CIF: 352 x 240 (NTSC) 352 x 288 (PAL)
	QCIF: 176 x 120 (NTSC) 176 x 144 (PAL)
Frame Rate	Up to 30fps
NETWORK	
Interface	10Base-T/100Base-TX auto-negotiation, RJ-45 socket
Supported Protocols	HTTP, TCP/IP, UDP, FTP, NTP, SMTP, DHCP, DNS, DDNS, PPPOE

Network Security	3 Level Security Protection
Max. Client Limit	20 simultaneous clients
PTZ Device Control	RS485 (Pelco-P/Pelco-D)
RECORDING	
Manual Recording	Up to 30fps
Motion Detection Recording	Up to 30 sec. pre-event recording and 60 sec. post-event recording
Alarm Recording	Up to 30 sec. pre-event recording and 60 sec. post-event recording
MOTION DETECTION & ALARM	
Physical Alarm I/O	2 channel alarm input/output
Notification	Record video to PC , Send email notification (jpeg file), FTP upload upon motion detection and alarm trigger
Manual Trigger Alarm Output	Yes, High or Low Button in Alarm Setting
PLAYBACK	
Playback Video Source	Local PC
Playback Speed	Forward x2, x4, x16, x32. Rewind x1, x2, x4, x16, x32
POWER	
Power Supply	12 VDC
Power Consumption	9W max
PHYSICAL	
Weight	340 g / 0.749 lbs.
Dimensions	66.5mm (W) x 143.3mm (D) x 59.3mm (H) ; 2.66" (W) x 5.73" (D) x 2.37" (H)
ENVIRONMENTAL	
Operating Temp.	-10C ~ 50C/14F ~ 122F
Humidity	20%~80%

IP99 Series IP99 *Express*

Embedded with all IP99 Series!

Easy to use
All you need is a dedicated IP address. The only firmware required for this series is Microsoft IE 4.X or above.

Cost Effective
IP99 Series provides reliable and cost effective video source. No additional expensive firmware, management station or video cable is necessary.

Open environment
Supports TCP/IP network, SMTP E-mail, HTTP and other related network protocols.

Easy management
Using standard web browser, you can assign and manage IP99 series directly through a web browser. Product firmware can be upgraded remotely as well.

Standard video format
IP99 series use MPEG 4 compression technology to produce high quality images. User can view the images through any web browser.

Widely applicable
IP99 Series allows direct connection through standard IE for remote viewing from anywhere, anytime. EverFocus IP cameras is applicable for use with alarm surveillance, traffic surveillance, bank applications, parking lots, factories, etc. IP99 supports SMTP email, which allows the system to send images in an attachment when an event occurs or is detected.

External connection
External devices include: IR sensor, switch, alarm relay or other device that can trigger IP99 series.

PTZ connection
Adjust the camera's viewing angle by connecting a PTZ device to any IP99 via RS485 interface.

Security
IP99 Series offers protection against the intrusion of an outside user. Set user authority to determine which individual will be allowed access to camera recordings.

Features

- Browser based, no additional client software needed
- Support all types of layout
- Video recourse can be changed on web browser when viewing live
- Record, playback and view live simultaneously
- Easy on-screen PTZ control

Specification

PC Requirement	CPU	PC Pentium IV(2.0 GHz or higher)/AMD Athlon (or higher)
	Memory	512MB RAM min., 1GB HD space or above. Additional HD space depends on required local storage of video files.
	Ethernet	100Mbps.
	Display	32 MB min,16.7 million colors, with DirectX9.0c support
Operating System		MS Windows XP, Service pack 2 or higher, Windows 2000,Windows Vista*

* Vista User Account Control off

EverFocus IP99 Series Intelligent IP Solution

IP99 Series includes: EIP220 network cameras, EVS110 video servers and network video management software. Designed with triplex operation, IP99 network system allows you to monitor, record, playback and manage your video at the same time!

Advantages

- Simultaneous live view, record and playback. No additional software needed
- View and record live video
- Event Recording can be triggered by motion or external I/O
- High quality recordings with MPEG4
- Control PTZ and camera by using mouse on PC
- Support motion detection recording, alarm recording and manual recording
- E-mail notification or FTP video upload upon motion detection and alarm
- View all IP99 series cameras and encoders simultaneously in a web browser

System Overview

Router or LAN Connection

Pre-existing LAN connection through a router is the most common way to view your IP99 cameras and encoders from multiple PCs

Connect Through Ethernet Cable

High Speed Modem

Internet

RS485

BNC

Router

Direct Modem Connection

This option is only recommended for those with a static IP address. Connect directly to a modem and eliminate the need for a router. In order to access your video, you will need to assign an IP address from your internet service provider for your IP cameras and encoders.
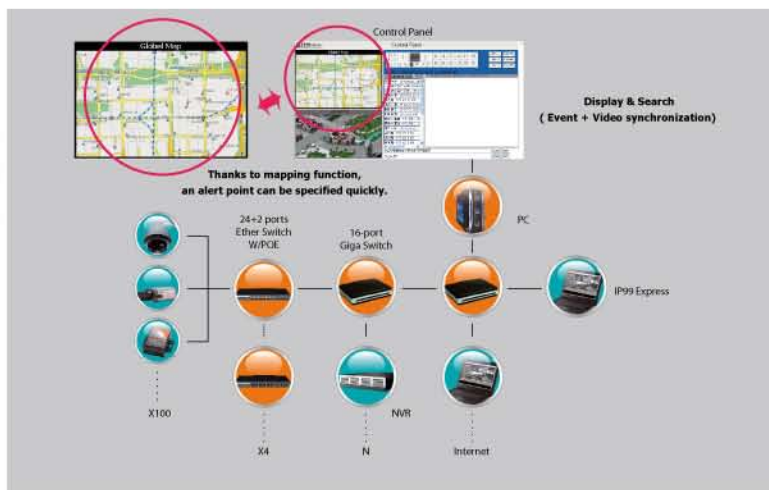

Internet

Connect Through Ethernet Cable

High Speed Modem

Direct Connection to PC

With a cross-over cable, you can connect your IP camera directly to your PC.

Cross-over Cable

Application Example

IP99 Network Control Center

Control Panel

Display & Search
(Event + Video synchronization)

Thanks to mapping function,
an alert point can be specified quickly.

IP99 Network Solution

Wide Variety of Applications for Security Surveillance

Retail

Transportation

City surveillance

Banking

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