50-meter Infrared Vari-focal Camera
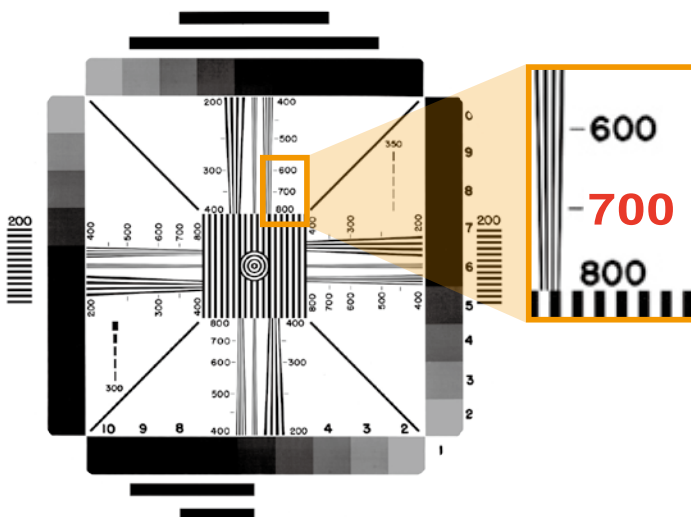

Camera

- 1/3" Sony 960H Super HAD II High Resolution CCD Sensor
- Employs Digital Signal Processor (DSP) chip-set
- 2.8~12mm Board Lens
- 0 lux Minimum Illumination at F1.4
- Maximum resolution 700 TV lines
- Viewing Angle at H: 33 degrees / V: 25 degrees
- Built-in high efficiency 48 IR LEDs for low lightness and long distance up to 50 meters

Providing Better Lens for Clearer and Sharper Surveillance Image

To solve different security issues, PLANET provides various camera solutions, among which the CAM-IR560V Infrared vari-focal camera that works with PLANET Digital Video Recorders or Internet Video Servers helps people to easily create a secure protection system for their daily lives.

The CAM-IR560V produces pictures reaching 700TV Lines (TVL) of horizontal resolution when integrated with the highly sensitive color Sony DSP 1/3" interline transfer Charge Coupled Device (CCD) image sensor. Its auto-iris lens will then adjust the amount of light that passes through the lens automatically to help form a sharp and clear image.

TV Lines are a measure of horizontal resolution that must be measured using a specialized chart like the one shown below. It helps to detect the number of TV Lines that a camera produces because the human eyes cannot detect them.

Video

- Picture Elements NTSC: 976 x 494, PAL: 976 x 582
- Auto White Balance 1800K~10500K
- Auto Gain Control
- Auto Electronic Shutter Time (NTSC:1/60s~1/100,000s, PAL:1/50s~1/110,000s)
- S/N Ratio more than 60dB
- Image Enhancement with DWDR / 2DNR

Hardware

- Video Output: 1 Vp-p Composite Video / 75 Ohms
- IP66 weatherproof certified protection
- Analog operation, easy install and fast reaction

TVL Specialized Chart

Sony Effid 700 TVL DSP

Comparison of Different TVL Resolutions

Dedicated Monitoring with High Resolution CCD

The CAM-IR560V is designed with the highly sensitive color 1/3" Sony 960H Super HAD II high resolution CCD image sensor with built-in Digital Signal Processor (DSP) chip-set to provide clearer pictures with higher sensitivity compared to conventional CCTV cameras. The DSP makes the camera process speedier and higher efficient, and save more electricity.

High Tech, High Quality, High Protection

The CAM-IR560V applies Digital Wide Dynamic Range (DWDR) technology to improving the visibility of the entire picture by providing the optimum gradation compensation for the image in one field based on the luminance information. Furthermore, the CAM-IR560V provides high quality images under all lighting conditions. Adopting the 2-DNR (Digital Noise Reduction) technology, the CAM-IR560V automatically reduces noises in low light environment and brings an extremely clear and exquisite picture quality even under any challenging lighting conditions.

Vari-focal Offers the Best Recording Flexibility

The CAM-IR560V built-in Vari-focal Lens with ICR 2.8~12mm / F1.4 provides a range of focal lengths allowing users to zoom in/out the image with one lens, which has the options of selecting a high millimeter setting for narrow viewing fields or a low millimeter setting for wider viewing fields.

Vari-focal lens for available focal lengths

Day & Night Functionality

For a clear surveillance image both in the day and night, the CAM-IR560V can prevent the annoying halo issue that always accompanies with the IR camera, with its 48 built-in IR LEDs that offer a long IR distance of up to 50 meters. A display resolution of 700TV Lines makes the still image clear even at night. Thus, the CAM-IR560V is able to maintain clear images 24 hours a day.
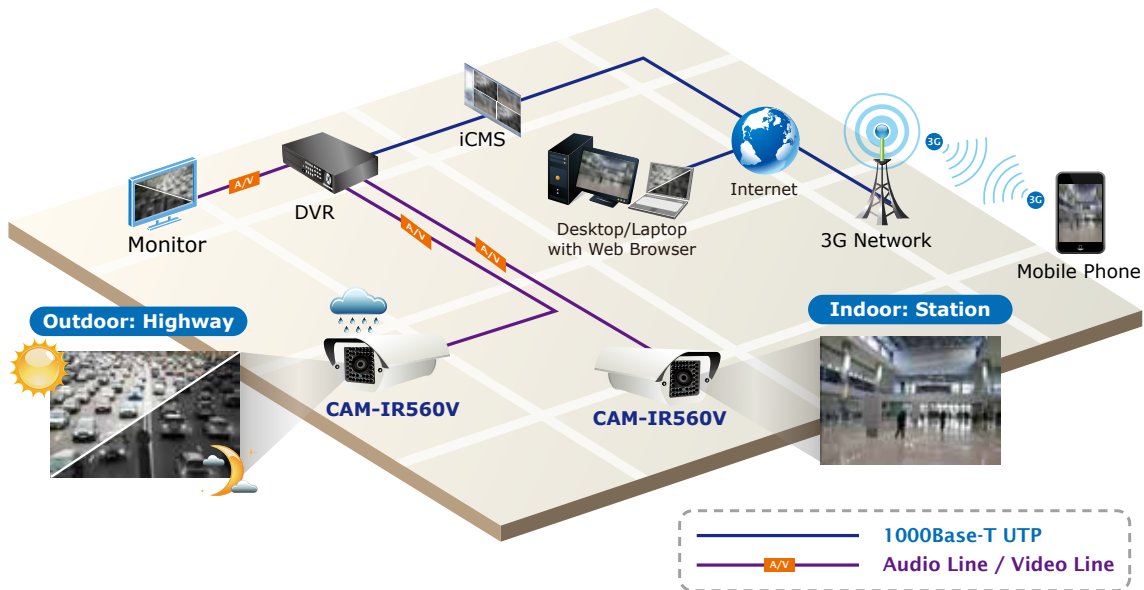

IP66-rated Housing for Indoor and Outdoor

In order to fit different security issues, PLANET CAM-IR560V is the better product of surveillance system to meet the demands from worldwide market. By providing IP66 weatherproof certified protection, 700 TVL high-quality images and long IR distance Infrared LED solutions, the CAM-IR560V must be the perfect choice for your indoor and outdoor surveillance system.
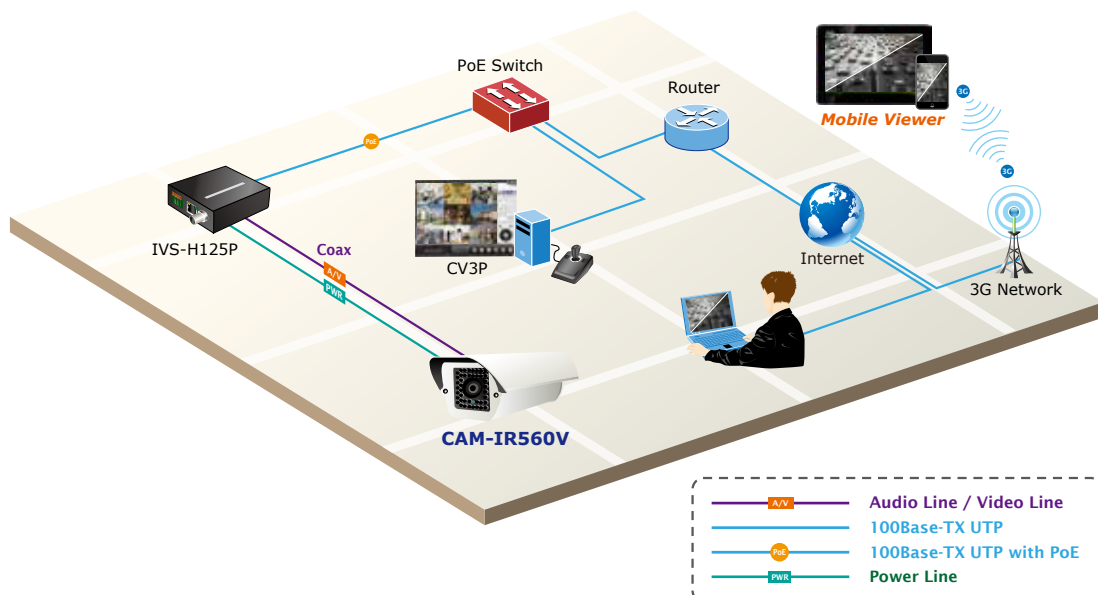
Applications

Taking advantage of the convenient TCP/IP network, the surveillance system administrators can integrate different kinds of cameras such as the CAM-IR560V IR vari-focal camera with PLANET DVR system to establish 24/7 surveillance applications and outdoor secure surveillance applications, and to ensure a secure environment to protect people's life.

Connection with DVR

The IVS-H125P enables you to monitor your house, office or production line in the factory via the analog cameras like the CAM-IR560V through Internet. The administrators can easily place the IVS-H125P Internet Video Server wherever a network connection is available and efficiently turn the analog camera monitoring system into IP-based surveillance.

Turn Analog into IP

Specifications

Model	CAM-IR560V
Camera	
Sensor	1/3" Sony 960H Super HAD II High Resolution CCD Sensor.
Effective Picture Elements	NTSC: 976 x 494, PAL: 976 x 582 (H x V)
Lens	2.8~12mm / F1.4 Vari-focal manual iris lens
Minimum Illumination	0 Lux with built-in IR-LED
View Angle	H: 33 degrees, V: 25 degrees
LED	
IR LED	48 Units of 850nm High Power IR LED
IR Project Distance	50 meters
Video & Audio	
Horizontal Resolution	700 TV lines
S/N Ratio	More than 60 dB
White Balance	Automatic (1800K~10500K)
Gamma Characteristic	0.45
Gain Control	Automatic
Auto Electronic Shutter	NTSC:1/60s~1/100,000s, PAL:1/50s~1/110,000s
Digital Wide Dynamic Range	DWDR ON
2D Noise Reduction	2DNR ON
Synchronous System	Internal, Negative sync
Environment	
Operating	-10 to 50 degrees C (14 to 122 degrees F)
Video Output	1 Vp-p Composite Video / 75 Ohms
Power Supply	90~260V AC / 12V DC, 1A, 8.5W
Water Resistance	IP66
Dimensions (W × D x H)	146 × 312 x 115 mm

Ordering Information

CAM-IR560V-NT	50-meter Infrared Vari-focal Camera (NTSC)
CAM-IR560V-PA	50-meter Infrared Vari-focal Camera (PAL)

Related Products

IVS-H125	H.264 Internet Video Server
IVS-H125P	H.264 PoE Internet Video Server
IVS-2120	Industrial Internet Video Server
DVR-462	4-channel H.264 Digital Video Recorder
DVR-872	8-channel H.264 Digital Video Recorder
DVR-1672	16-channel H.264 Digital Video Recorder
CAM-DM33	Mini Dome Camera
CAM-IR138	15-meter Infrared Camera
CAM-IR338	30-meter Infrared Camera
CAM-IVP55	25-meter Infrared Vandalproof Camera
CAM-IVP55V	25-meter Infrared Vari-focal Vandalproof Camera

C-CAMIR560Vv2