

25-Meter Infrared Vandalproof Camera



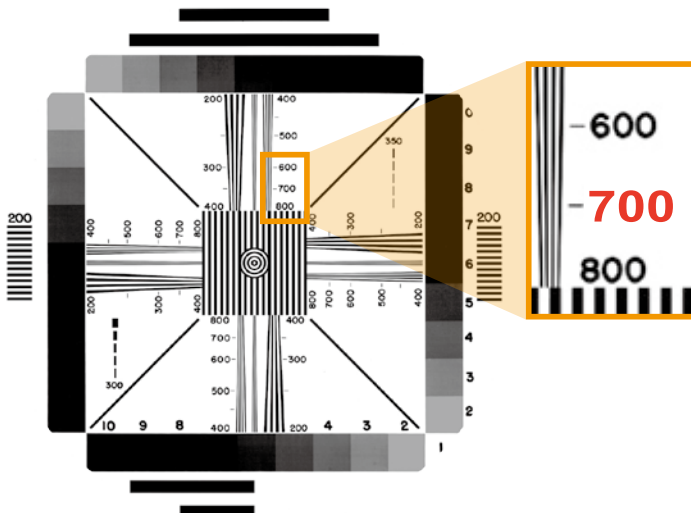
Providing Better Lens for Clearer and Sharper Surveillance Image

PLANET has launched the CAM-IVP55, a clearer and sharper 25-meter infrared vandalproof camera. When working with PLANET Digital Video Recorders or Internet Video Servers, it helps users to easily create a secure protection system in their daily lives.

The CAM-IVP55 integrates with the latest high sensitive color Sony Effio-E DSP EXview 1/3" interline transfer Charge Coupled Device (CCD) image sensor, producing pictures reaching 700TV Lines (TVL) of horizontal resolution. Its Auto-Iris lens will then adjust the amount of light that passes through the lens automatically.

TV Lines are a measure of horizontal resolution. The human eye cannot detect the number of TV Lines that a camera can produce. This must be measured using a specialized chart like the one shown below.

TVL Specialized Chart



Camera

- 1/3" Color Sony Effio-E DSP EXview HAD CCD II sensor
- 4.3 mm Board Lens
- 0.01 lux Minimum Illumination at F2.0
- Maximum resolution of 700 TV lines
- Built-in highly-efficient 24 IR LEDs for operation in the environment with low light

Video

- Picture Elements NTSC:976x494, PAL:976x582
- Auto White Balance
- Auto Gain Control
- Auto Electronic Shutter Time (NTSC:1/60s~1/100,000s, PAL:1/50s~1/100,000s)

Hardware

- Video Output: 1 Vp-p Composite Video / 75 Ohms
- IP66 and IK-10 vandalproof outdoor classifications with fan for rigorous environment
- 3-Axis Mechanism Design
- Analog operation, easy to install and fast reaction



Sony Effio 700 TVL DSP

Comparison of Different TVL Resolutions

Sony Effio-E DSP EXview 1/3" CCD Sensor

What is Effio? It stands for Enhanced Features and Fine Image Processor. The "Effio" series realizes a horizontal resolution of maximum 700 TVL in combination with Sony's newly developed 960H CCD image sensor. It draws upon Sony's extensive know-how and technology to further pursue the high resolution, S/N ratio and color reproducibility demanded of security cameras. This enables to provide clearer pictures with higher sensitivity compared to conventional CCTV cameras.

"EXview HAD CCD II" is a trademark of Sony Corporation.

The "EXview HAD CCD II" is a CCD image sensor that realizes sensitivity (typical) of 1000mV or more per $1\mu\text{m}^2$ (Color: F5.6/BW: F8 in 1 s accumulation equivalent) and improves light efficiency by including near infrared light region as a basic structure of Sony's "EXview HAD CCD".



Day & Night Functionality and 3-Axis Mechanism Design

For the clear surveillance image both in the day and night, the CAM-IVP55 can prevent the annoying halo issue that always accompanies with the IR dome camera. A display resolution of 700TV Lines makes the still image clear even at night. Special headlight design of blocking the refracted IR ray into the lens makes the CAM-IVP55 bring the clearest vision and average irradiation. With 3-Axis movement for free lens rotation, users could adjust the lens to any angle desired by the users. Thus, the CAM-IVP55 is able to maintain clear images 24 hours a day.



Vandalproof Design and IP66 Certified

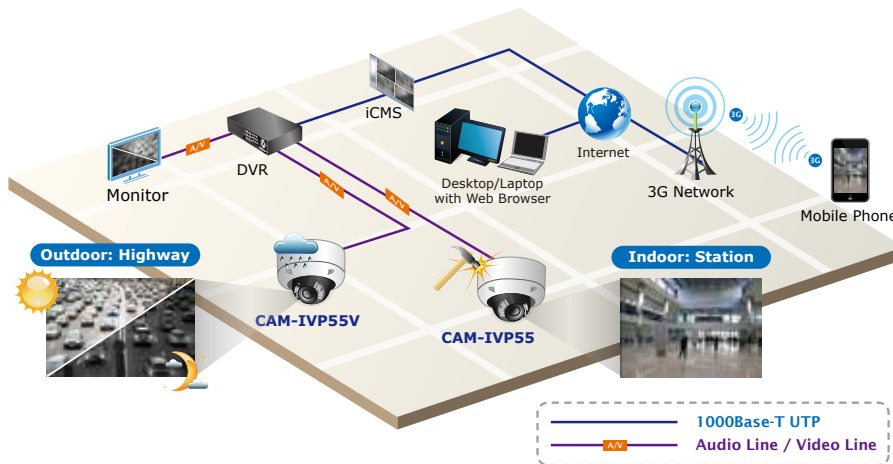
The CAM-IVP55 also has vandalproof design that can shield 10 pounds of impact. It is the perfect choice for outdoor surveillance system by providing IP66 weatherproof certified protection, 700 TVL high-quality images and Infrared LED solutions.



Applications

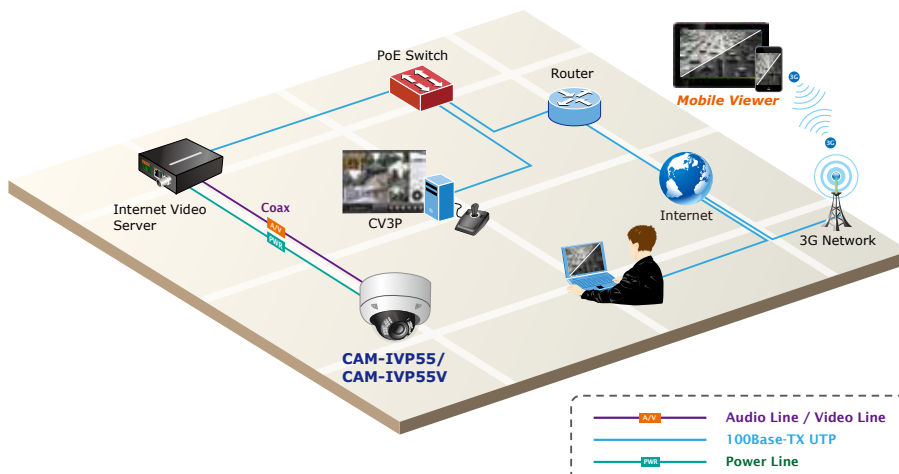
Taking advantage of the convenient TCP/IP network, the surveillance system administrators can integrate different kinds of cameras such as the CAM-IVP55 IR dome camera with PLANET DVR system to establish Day / Night surveillance applications and outdoor secure surveillance applications, and to ensure 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-IVP55 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-IVP55
Camera	
Image pick-up device	1/3" Color Sony Effio-E DSP EXview HAD CCD II
Lens	Board Lens 4.3mm Focal Length: Wide:99.5°x73.2°, Tele:27.4°x20.6°
Min Illuminator	0.01 Lux @ F1.2
Effective Pixels	NTSC: 976x494, PAL: 976x582
IR LED	24 Units of 850nm High Efficiency IR LED
IR Distance	25 meters
Video	
Horizontal Resolution	Color: 650 TVL, B/W: 700 TVL
S/N Ratio	More than 50 dB
White Balance	Automatic
Gamma Characteristic	0.45
Video Output	Composite 1.0 Vp-p, 75 ohm CVBS (BNC)
Function	
Gain Control	Automatic
Auto Electronic Shutter	NTSC:1/60s~1/100,000s, PAL:1/50s~1/100,000s
Synchronous System	Internal, Negative sync
General	
Weatherproof	IP66
Vandalproof	IK-10
Power Requirements	DC 12V, 1A IR on: 410mA IR off: 210mA
Operating Temperature	-10 ~ 50 degrees C (14 ~ 122 degrees F)
Dimensions (Φ x H)	145 x 108.2 mm
Weight	1.1 Kg

Ordering Information

CAM-IVP55	25-meter Infrared Vandalproof Camera
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Related Products

CAM-IVP55V	25-meter Infrared Vari-Focal Vandalproof Camera
IVS-H125	H.264 Internet Video Server
IVS-H125P	H.264 PoE 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