

25~30-meter Infrared Vari-focal Vandalproof Camera

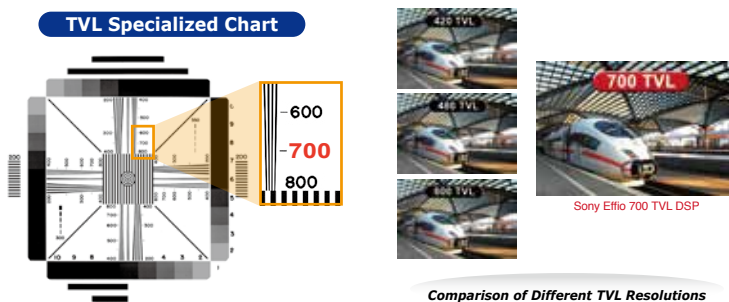


Providing Better Lens for Clearer and Sharper Surveillance Image

PLANET has launched the CAM-IVP55V, a Clearer and Sharper 25-meter Infrared Vari-focal 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-IVP55V is integrated with the latest, highly-sensitive color Sony Effio-E DSP 960H EXview 1/3" interline transfer charge coupled device (CCD) image sensor, producing pictures reaching a horizontal resolution of 700TV lines (TVL). 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.



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.

Camera

- 1/3" Color Sony Effio-E DSP 960H EXview HAD CCD II sensor
- Built-in 2.8~12m Vari-focal ICR Lens
- 0.01 lux minimum illumination at F1.4
- Maximum resolution of 700 TV lines
- Supports Multi-language OSD
- External OSD Interface, easy to use for user.
- Built-in highly-efficient 36 IR LEDs for operation in the environment with low lightness

Video

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

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 to react

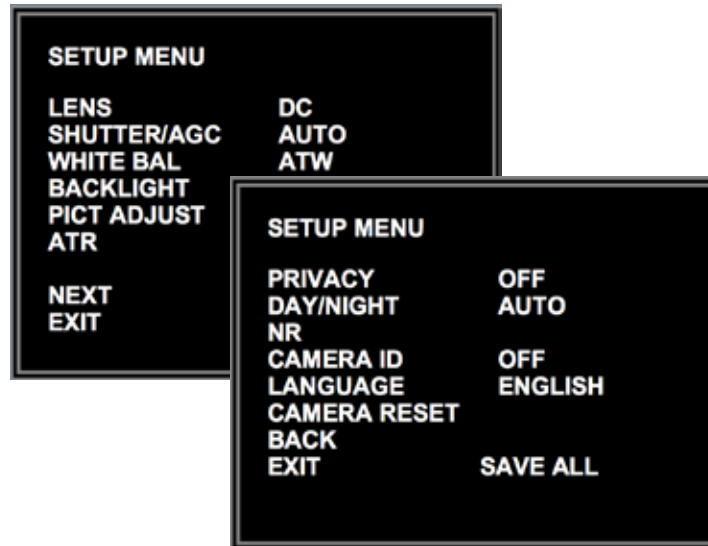
“EXview HAD CCD II” is a trademark of Sony Corporation.

The “EXview HAD CCD II” is a CCD image sensor that realizes sensitivity (typical) of 1000mV or more per 1µm² (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”.



External OSD (On Screen Display) Setup Menu Interface

It's possible to control menu displayed on-screen for adjusting diverse image quality of camera. All functions can be operated from OSD: SHUTTER/AGC, HLC, ATR, WB (White Balance), BLC (Back Light compensation), day & night mode and provides Noise Reduction function. All these make it easy for user to use.



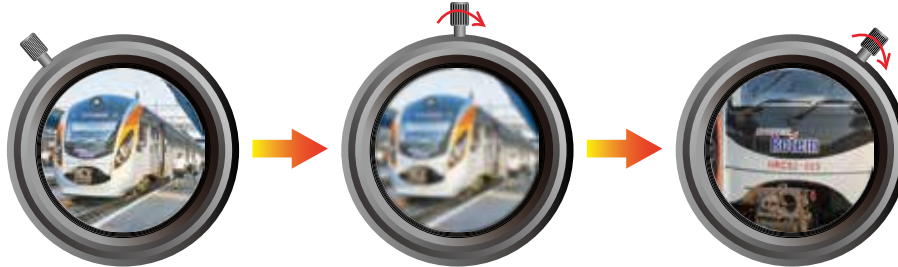
High Tech, High Quality, High Protection

ATR technology improves the visibility of the entire picture by providing the optimum gradation compensation for the image in one field based on the luminance information. Adopting the 2-DNR technology and automatically-reduced noises at low light environment, it brings an extremely clear and exquisite picture quality even under any challenging lighting conditions.



Vari-focal Lens Offers the Best Recording Flexibility

The CAM-IVP55V's 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 option of selecting a high millimeter setting for narrow viewing fields or a low millimeter setting for wider viewing fields. The CAM-IVP55V provides high quality images under all lighting conditions.



Vari-focal lens for available focal lengths

Day & Night Functionality and 3-Axis Mechanism Design

For a clear surveillance image both in the day and night, the CAM-IVP55V 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-IVP55V 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-IVP55V is able to maintain clear images 24 hours a day.



Vandalproof Design and IP66 Certified

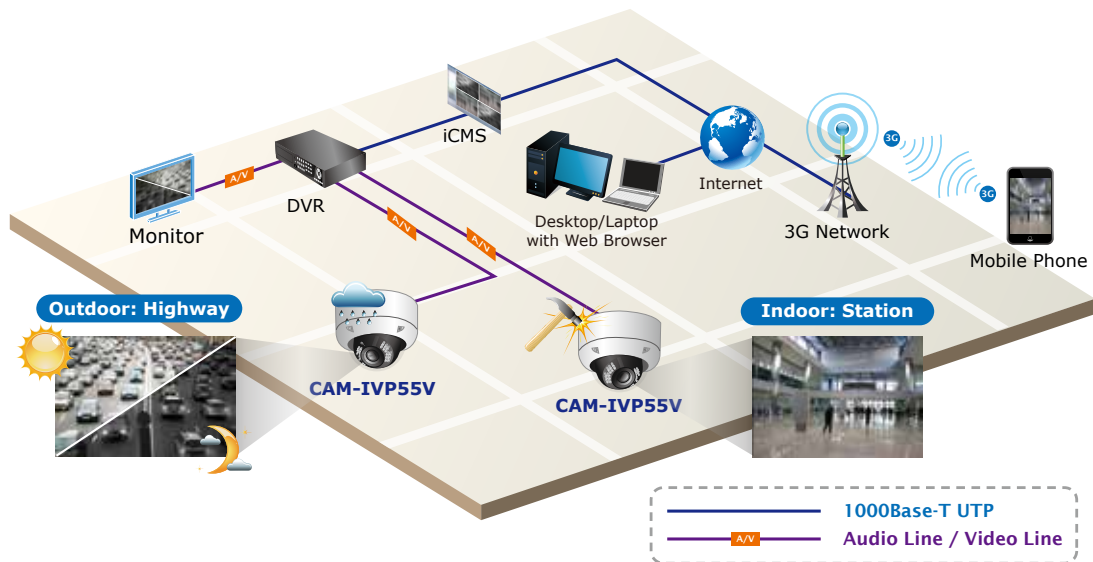
The CAM-IVP55V also has vandalproof design that can shield 10 pounds of impact. It is the perfect choice for outdoor surveillance system by providing IP66 weatherproof certified protection, 700 TVL high-quality images and Infrared LED solutions.



Applications

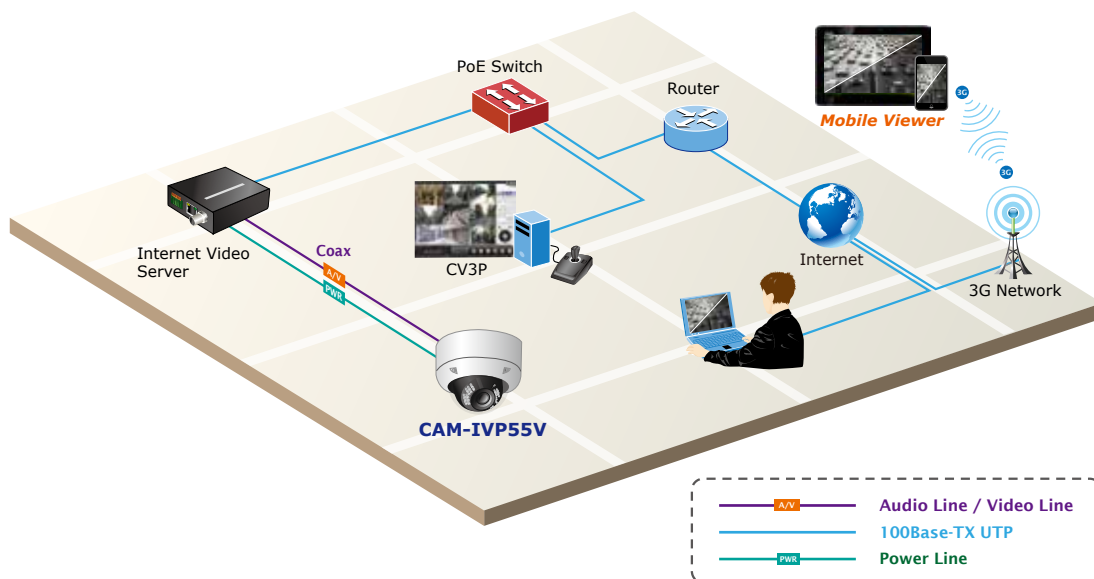
Taking advantage of the convenient TCP/IP network, the surveillance system administrators can integrate different kinds of cameras such as the CAM-IVP55V IR dome camera with PLANET DVR system to establish Day / Night surveillance applications and outdoor secure surveillance applications, and to ensure 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-IVP55V 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-IVP55V
Camera	
Image Pick-up Device	1/3" Color Sony Effio-E DSP 960H EXview HAD CCDII
Lens	2.8~12mm vari-focal DC-drive auto iris lens
Aperture Range	F1.4
Iris Control	Auto
Video	
Min. Illuminator	0.01 lux (@F1.4) color mode
Electronic Shutter	NTSC: 1/60 , PAL:1/50
Effective Pixels	NTSC: 976 x 494 PAL: 976 x 582
Horizontal Resolution	Color: 650 TVL B / W: 700 TVL
Gamma Characteristic	0.45
S/N Ratio	More than 54 dB
Function	
White Balance	1,800°K~10,500°K ATW: SPEED / DELAY CNT / ATW FRAME / ENVIRONMENT--INDOOR / OUTDOOR; PUSH; USER1; USER2; ANTI CR (Anti-Color Rolling); MANUAL; PUSH LOCK
Synchronous System	Internal, Negative sync
On-Screen Display (OSD)	Yes
Gain Control	Automatically
Adaptive Tone Reproduction (ATR)	Yes
Digital Noise Reduction (DNR)	2-DNR
Language	English / French / German / Spanish / Portuguese / Russian / Japanese
IR LED	36 pieces
IR Wavelength	850 nm
IR Distance	25-30 meters
Vandalproof	IK-10
Weatherproof	IP-66
Synchronous System	Internal, Negative sync
Video Output	1 Vp-p Composite Video / 75 ohm
Power Requirements	DC 12V, 0.5A
Dimensions (Φ x H)	136 x 118 mm
Weight	680 g
Operating Temperature	-10°C to 50°C (14°F to 122°F)

Ordering Information

CAM-IVP55V	25~30-meter Infrared Vari-focal Vandalproof Camera
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Related Products

CAM-IR560V	50-meter Infrared Vari-focal Camera
CAM-IR338	30-meter Infrared Camera
CAM-IR138	15-meter Infrared Camera
IVS-H125P	H.264 PoE Internet Video Server
IVS-H125	H.264 Internet Video Server
HDVR-430	4 Channel Hybrid Digital Video Recorder
HDVR-830	8 Channel Hybrid Digital Video Recorder
DVR-1672	16 Channel Hybrid Digital Video Recorder

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CAM-IVP55Vv4