1080p IR Dome PoE IP Camera

Compact and Cost-effective 1080p Outdoor Surveillance

PLANET ICA-4250 PoE IP Camera delivers excellent picture quality in 1080p Full HD resolutions at 30 frames per second (fps). Incorporating the Sony super low lux CMOS image sensor and 20-meter IR illuminators, which are specially designed for surveillance applications, the ICA-4250 provides sharp images under all lighting conditions. Moreover, it has an IP66-rated housing that can withstand any harsh temperature ranging from -10°C to 50°C. Its outdoor and handy features enable you to easily install the camera in any public areas, such as buildings, gardens, parking areas, markets, balconies, railway stations and hospitals.

Day & Night Surveillance

To adapt to constantly changing lighting conditions during the day and night, the ICA-4250 comes with a Sony low lux sensor (0.01 lux) and powerful IR illuminators, which enable the camera to provide color video when there is sufficient light, and black/white video in dark conditions. The ICA-4250 is able to maintain clear images 24 hours a day.

Camera

- 1/2.8" Sony Exmor progressive scan CMOS sensor
- 3.6 mm fixed lens with fixed iris
- 0.01 lux minimum illumination at F1.2
- Maximum resolution 1920 x 1080
- 24 built-in powerful IR illuminators, effective up to 20 meters
- Removable IR-cut filter for Day & Night function

Video and Audio

- H.264 video compression
- Simultaneous multi-stream support
- Max. resolution of 1080p at 30fps
- DNR to improve picture quality at low lux
- WDR enhancement function strengthens visibility under extremely bright or dark environments
- Two-way audio support with enhanced audio quality
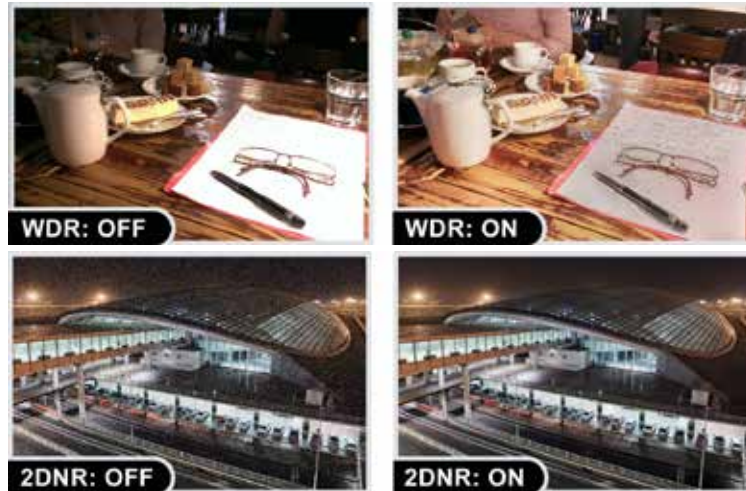
Network and Configuration

- Compliant with IEEE 802.3af PoE interface for flexible deployment
- RTSP, FTP, and PLANET DDNS protocols selectable

Easy Installation and Management

- ONVIF compliant for interoperability
- IP66-rated housing is designed for rigorous environment
- Intelligent motion detection alarm
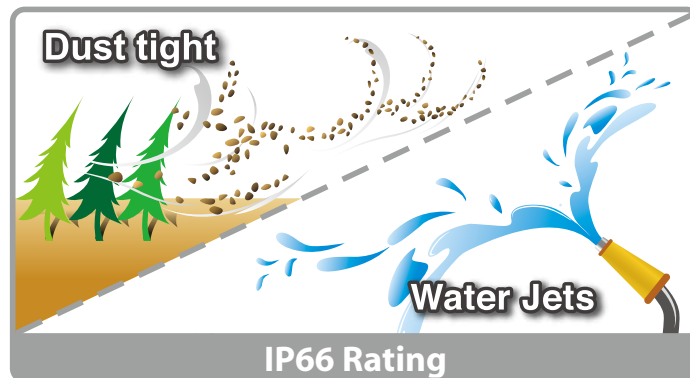- Easy configuration and management via Windows-based utility or web interface

Exceptional Image Quality

Together with powerful image processing attributes like Wide Dynamic Range (WDR) and 2-dimensional Noise Reduction (2DNR) technology, the ICA-4250 is able to filter the intense backlight surrounding a subject and remove noises from video signal. The result is that an extremely clear and exquisite picture quality can be produced even under any challenging lighting conditions.

Water Resistance and Dust-proof Protection

The IP66-rated housing protects the camera body against rain and dust, and ensures operation under extreme weather conditions, which makes it an ideal solution for outdoor applications, such as buildings, roads, parking areas, garages, railway stations and airports.

Advanced Media Management

The ICA-4250 supports a number of advanced features to enhance surveillance flexibility and event management capabilities. The advanced features include 4 configurable regions of privacy mask to protect personal privacy, and external RCA ports that allow accessories, such as speakers and microphones, to be added to the camera for two-way audio function.
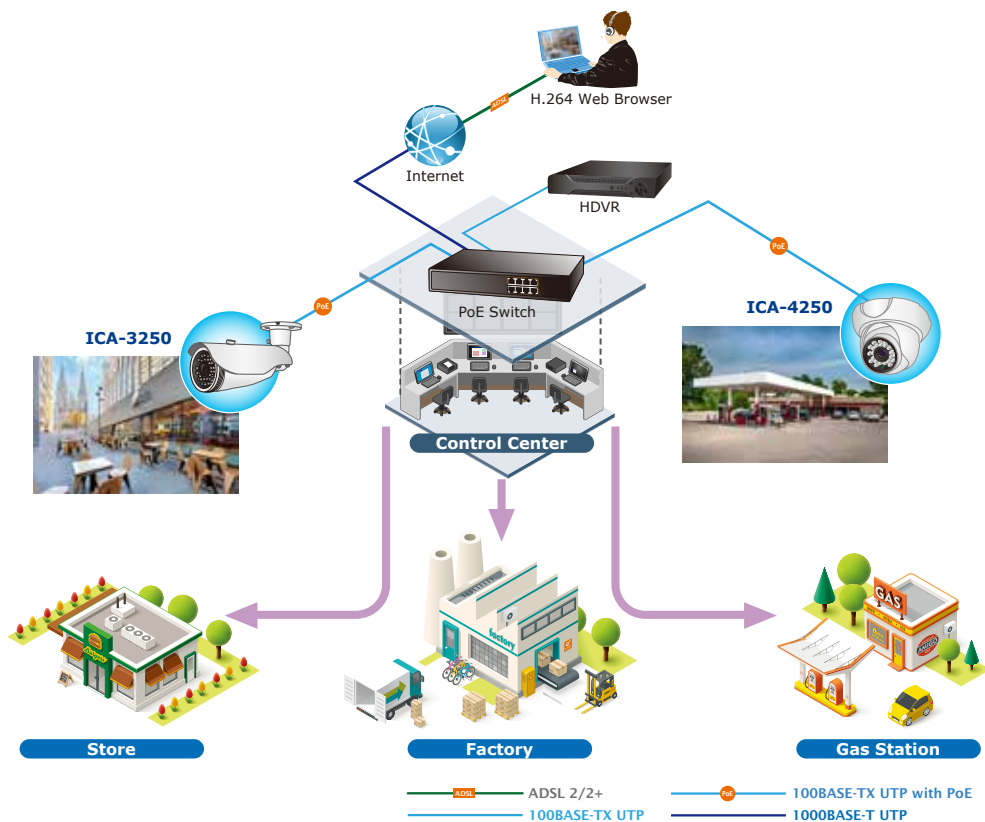
2-way Audio

Flexible Installation and Power Functionality

The ICA-4250 incorporates IEEE 802.3af Power over Ethernet standard and able to be powered via the network cable from a PoE power sourcing equipment such as PoE Switch or PoE injector. It thus eliminates the need for extra power cables and reduces installation costs while increases the deployment flexibility. The ICA-4250 is ONVIF compliant and interoperable with other brands in the market. The ICA-4250 is indisputably the ideal choice for reliable and high-performance surveillance.

Applications

PLANET ICA-4250 can perform in various surveillance applications. With high-resolution design, it can capture clear images and is perfect for identifying objects and persons. Moreover, the ICA-4250 supports 802.3af PoE interface, and facilitates the outdoor surveillance applications without worrying the electric source. Besides, HDVR and Web UI management make you easy to do the configuration and live viewing. With so many features offered, the ICA-4250 no doubt is your best choice for outdoor surveillance solution.

Specifications

Model	ICA-4250
Camera	
Image device	1/2.8" 2 mega-pixel Sony Exmor progressive scan CMOS sensor
Lens	Fixed lens 3.6mm, F1.2 Angle of view: Horizontal: 74 degrees Vertical: 55 degrees
Min Illumination	0.01 lux (color) @ F1.2 0 lux (B/W) @ IR on
IR Illuminations	IR LED x 24, 850nm Built-in IR illuminators, effective up to 20 meters *The IR distance is based on the environment
Effective Pixels	1920 x 1080 pixels
Image	
Video Compression	H.264
Video Resolution	1080p, 960p, 720p, 720 x 576, 640 x 480, 352 x 288, 320 x 240, 176 x 144
Frame Rate	Up to 30fps for all resolutions
Bitrate	1024~8000kbps
Shutter Time	1/25~1/10000 sec
Image Setting	2D noise reduction WDR Brightness, saturation, contrast Mirror/Rotate Privacy mask (4 regions) Text, time and date overlay
Streaming	Simultaneous multi-profile streaming Streaming over HTTP or RTSP Controllable frame rate and bandwidth Constant and variable bit rate (H.264)
Audio	
Audio Streaming	Two-way audio
Audio Compression	G.711 (A-law and µ-law)
Audio Input	Cable with RCA jack
Audio Output	Cable with RCA jack
Network and Configuration	
Standard	IEEE 802.3 10BASE-T IEEE 802.3u 100BASE-TX IEEE 802.3af Power over Ethernet
Protocol	IPv4, TCP/IP, HTTP, FTP, DHCP, DNS, PLANET DDNS, RTP, RTSP, RTCP, PPPoE, NTP, SMTP
Security	Password protection
Users	3 clients on-line monitoring at the same time
System Integration	
Application Programming Interface	ONVIF compliant
Alarm Triggering	Motion detection
Alarm Events	Event snapshot upload via FTP Notification via email, and HTTP
General	
Power Requirements	12V DC, 1A IEEE 802.3af Class 3
Power Consumption	8W (IR on)
Weight	390g
Dimensions (Φ x L)	110 x 86 mm
Emission	CE, FCC
Connectors	10/100Mbps Ethernet, RJ45 DC power jack RCA audio in (white) and RCA audio out (red)
Environments	
Cold Boot Temperature	-10 ~ 50 degrees C
Operating Temperature	-20 ~ 50 degrees C
Operating Humidity	20 ~ 80% (non-condensing)

Ordering Information

ICA-4250	1080p IR Dome PoE IP Camera

Related Products

ICA-3150	720p IR Bullet PoE IP Camera
ICA-4150	720p IR Dome PoE IP Camera
ICA-3250	1080p IR Bullet PoE IP Camera
HDVR-430	4-Channel Hybrid Digital Video Recorder
HDVR-830	8-Channel Hybrid Digital Video Recorder
HDVR-1630	16-Channel Hybrid Digital Video Recorder
IGS-4215-4P4T2S	Industrial 4-Port 10/100/1000T 802.3at PoE + 4-Port 10/100/1000T + 2-Port 100/1000X SFP Managed Switch (-40~75 degrees C)

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