60fps Full HD IR IP Camera with Remote Focus and Zoom

High Frame Rate (60fps) for Real-time Surveillance Applications

PLANET ICA-4210P Network Camera with Zero-lux Illuminator is a high-resolution camera for the round-the-clock surveillance over IP networks. It supports H.264 and JPEG compression formats and delivers excellent picture quality in Full HD resolutions at 60 frames per second (fps). Incorporating the new Exmor RS™ CMOS image sensor, which is specially designed for surveillance applications, the ICA-4210P provides high-quality images under all lighting conditions. It is perfect for remote and discreet monitoring of indoor areas such as stores, banks, hotels, office lobbies and warehouses.

Day & Night Functionality

To adapt to constantly changing lighting conditions, the ICA-4210P comes with a removable IR-cut filter and built-in low IR illuminators (0.01 lux), which enables the camera to provide color video when there is sufficient light, and black/white video in dark conditions. The ICA-4210P is able to maintain clear images 24 hours a day.

Camera

- Sony's 1/2.8 type Exmor RS 2.4MP CMOS sensor
- 3.0~10.5 mm motorized vari-focal, P-iris lens
- Super low lux at 0.01 allows the camera to provide a color live view in near darkness
- Max. resolution 1080P at 60fps
- True WDR Enhancement to enhance visibility under extremely bright or dark environments
- Alarm will be triggered and immediately alerted to user when motion, audio, network disconnect, tampering, and face and cross line detection are detected
- Removable IR-cut filter for Day & Night function
- Built-in PIR sensor (6m/120 degrees coverage) for thermal / motion detection
- Built-in 12 IR illuminators, effective up to 20 meters
- Smart Focus for remote and precise focus adjustment

Video / Audio

- H.264 and M-JPEG video compression simultaneously
- Simultaneous multi-stream support
- H.264 high profile, main profile and baseline
- 3DNR to improve picture quality at low lux
- Two-way audio support with enhanced audio quality

Network and Configuration

- Compliant with IEEE 802.3af PoE interface for flexible deployment
- Equipped with Gigabit Ethernet port
- Auto MDI/MDI-X supported
- Supports both IPv6 and IPv4
- Built-in Samba client for NAS
- RTSP / UPnP / 3GPP / HTTPS protocols selectable

Easy Installation & Management

- ONVIF compliant for interoperability
- 3GPP for 3G mobile remote applications
- Micro SD card local video recording supported
- RS485 interface for P/T scanner control
- Digital Input/Output for integration with sensors and alarms
- Cam Viewer 3 central management software supported

Exceptional Image Quality

Together with powerful image processing attributes like True Wide Dynamic Range and 3D Digital Noise Reduction (3DNR) technology, the ICA-4210P is able to filter the intense backlight surrounding a subject and remove noises from video signal. It brings an extremely clear and exquisite picture quality even under any challenging lighting conditions.

Passive Infrared (PIR) Sensor

When people pass by or in an emergency situation, the built-in PIR motion detection sensor in the ICA-4210P will "detect" and start recording automatically. It is able to detect movement as far as 6 meters away. When motion is detected in the specified areas, the additional function of alarm notification can send an e-mail alert or send captured images via FTP upload to a designated storage server.

Smart Focus with P-Iris

The ICA-4210P comes with the Smart Focus to make installation and adjustment easier by allowing remote focus and zoom adjustment. P-iris function works by a stepping motor controlled via software to automatically provide the best iris position for the best exposure time in all lighting conditions.

Face Detection and Cross Line Detection

Face Detection detects face and ignores anything else, such as buildings, cars and bodies. When a suspect enters a targeted area, his face is caught in the camera, thereby triggering an alarm. Cross Line Detection is an application especially suitable for general entrance and exit detection in low traffic areas. It detects objects such as persons and vehicles that cross a defined virtual line.

Face Detection

Cross Line Detection

Camera Tampering and Audio Detection

Provided with three individually configurable motion detection zones, the ICA-4210P can record video or trigger alarms and alerts when motion is detected in user-specified areas of the camera image. Also, its external microphone enables the system to capture the sound that is out of reach of camera's surveillance range and to trigger the audio detection alarm when sounds like screams, glass breaking, etc are detected.

Tamper Detection

Audio Detection

Advanced Event Management

To enhance surveillance flexibility and event management capabilities, the ICA-4210P supports a number of advanced features including auto-iris to avoid over exposure, AV out to perform the two-way audio function, RS485 to connect to an optional pan/tilt enclosure which effectively supports pan/tilt functionality, and inputs/outputs to connect with external devices such as door sensors and relays to activate light or close doors.

2-way Audio

Flexible Installation and Power Functionality

The ICA-4210P, incorporating IEEE 802.3af Power over Ethernet standard, is able to be powered via the network cable from a PoE power sourcing equipment such as PoE switch and PoE injector. It thus eliminates the need for extra power cables and reduces installation costs while increases the deployment flexibility. In addition, the ICA-4210P provides advanced features such as the Gigabit Ethernet transmission, giving users the utmost in bandwidth flexibility and storage efficiency. The ICA-4210P is ONVIF compliant and therefore interoperable with other manufacturers' products. It also includes 64-CH central management software for ease of maintenance and remote monitoring. The ICA-4210P is indisputably the top choice for reliable and high-performance surveillance.
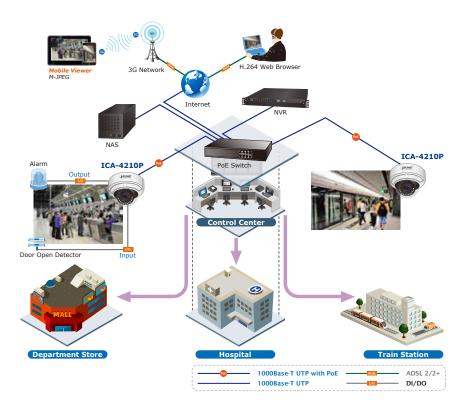

Applications

PLANET ICA-4210P 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-4210P supports 802.3af PoE interface, and facilitates the indoor surveillance applications without worrying the electric source.

Its Save-to-NAS and Save-to-SD card makes you easy to save your data. Besides, NVR and Web UI management make you easy to do the configuration and live viewing. Moreover, viewing your baby on your smart phone would give you a peace of mind.

Of course, this nice camera supports 802.3af PoE interface and facilitates the indoor surveillance applications without worrying the electric source. With so many features offered, the ICA-4210P no doubt is your best choice for indoor surveillance solution.

Specifications

Model	ICA-4210P
Camera	
Image Device	1/2.8 type Sony Exmor RS progressive scan CMOS sensor
Lens	Vari-focal 3.0~10.5mm, P-Iris Mechanical IR-cut filter Angle of view : horizontal: 25 ~ 80 degrees / vertical: 19 ~ 62 degrees
Min Illumination	0.1 lux (color) 0.01 lux (B/W)
IR Illuminations	IR LED x 12, 850nm Built-in IR illuminators, effective up to 20 meters *The IR distance is based on the environment
PIR Sensor	Built-in 6m/120 degrees Coverage
Effective Pixels	1920 x 1080 pixels (Full HD)
Image	
Video Compression	H.264 / M-JPEG
Video Resolution	**1080P mode** H.264: 1080P / 640 x 480 M-JPEG: 1080P / 640 x 480 **1080P mode with WDR** H.264: 1080P / 640 x 480 M-JPEG: 1080P / 640 x 480
Frame Rate	Up to 60fps for all resolutions
Image Setting	AE, AWB 3D noise reduction True WDR Color, brightness, sharpness, contrast, hue Mirror/Flip 10 Privacy Masks Text, time and date overlay Overlay image on video Digital Image Stabilization (DIS)
Streaming	Simultaneous multi-profile streaming Streaming over UDP, TCP, HTTP, or HTTPS M-JPEG streaming over HTTP (server push) Controllable frame rate and bandwidth AOI
Audio	
Audio Streaming	Two-way audio
Audio Compression	RTSP: G.711 64kbps, G.726 32kbps
Microphone	External microphone input
Audio Output	Adjustable audio output gain
Network and Configuration	
Standard	IEEE 802.3 10Base-T IEEE 802.3u 100Base-TX IEEE 802.3ab 1000Base-T
Protocol	IPv4, IPv6, TCP, UDP, HTTP, HTTPS, SMTP, FTP, NTP, DNS, DDNS, DHCP, DIPS, ARP, Bonjour, UPnP, RTSP, RTP, RTCP, IGMP, PPPoE, Samba, ICMP, SNMP, QoS
Security	Password protection, IP address filtering, HTTPS encrypted data transmission, user access log
Users	20 clients on-line monitoring at the same time
System Integration	
Application Programming Interface	Open API for software integration ONVIF Compliant
Alarm Triggers	Intelligent Motion / Tampering / Audio / Face / Cross line detection and external input
Alarm Events	File upload via FTP, Samba to NAS, SD card or email Notification via email, HTTP, and TCP External output activation Audio alert output Go to PTZ preset position
Video Buffer	Pre- and post-alarm buffering
General	
Power Requirement	12V DC, 1A IEEE 802.3af Class 3
Power Consumption	9W max.
Operating Temperature	0 ~ 50 degrees C
Operating Humidity	20 ~ 80% (non-condensing)
Weight	635g
Dimensions (Φ x L)	152 x 109 mm
Emission	CE, FCC
Connectors	10/100/1000 Mbps Gigabit Ethernet, RJ-45 DC power jack Terminal block for 1 alarm input and 1 output RS-485 interface for scanners, pan/tilt External mic input Audio out Micro SD/SDHC card (max. 32GB, Class 6) Factory default reset button

Ordering Information

ICA-4210P	4-Channel Cam Viewer 3 Professional

Related Products

CV3P-4	4-Channel Cam Viewer 3 Professional
CV3P-8	8-Channel Cam Viewer 3 Professional
CV3P-16	16-Channel Cam Viewer 3 Professional
CV3P-36	36-Channel Cam Viewer 3 Professional
CV3P-64	64-Channel Cam Viewer 3 Professional
CV3-M1024	1024-Channel Central Management Software
ICA-3260	60fps Full HD IR Bullet IP Camera
ICA-4130S	HD Ultra-mini SIP PoE IP Camera
ICA-4230S	Full HD Ultra-mini SIP PoE IR IP Camera
ICA-4200V	Full HD 20M IR Vari-focal Dome IP Camera
ICA-4500V	5 Mega-pixel 20M IR Vari-focal Dome IP Camera
ICA-HM132	H.264 2 Mega-pixel 20M IR Vari-focal Dome IP Camera
GSD-908HP	8-Port 10/100/1000Mbps 802.3at PoE + 1-Port 1000Mbps Desktop Switch (External 120 Watts)
GSW-2400HPS	24-Port 10/100/1000Mbps 802.3at PoE+ Web Smart Ethernet Switch
XGSW-28040HP	L2+ 24-Port 10/100/1000Mbps 802.3at PoE + 4-Port 10G SFP+ Managed Switch with Hardware Layer3 IPv4/IPv6 Static Routing
NVR-420	4-Ch Network Video Recorder with HDMI
NVR-810	8-CH Network Video Recorder
NVR-820	8-CH Network Video Recorder with HDMI
NVR-1610	16-CH Network Video Recorder
NVR-1620	16-CH Network Video Recorder with HDMI
NVR-3210	32-CH Network Video Recorder
NVR-3250	32-Ch Rack Mount Network Video Recorder

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6

C-ICA-4210P