

Full HD PoE Cube IP Camera



Cost-effective Solution to Full HD Surveillance

PLANET ICA-1200 Cube IP Camera with IR Illuminator performs high resolution images for round-the-clock surveillance over IP networks. It supports H.264, MPEG-4, and JPEG compression formats to deliver excellent picture quality in Full HD resolutions at 30 frames per second (fps). Incorporating the new Exmor™ CMOS image sensor, the ICA-1200 provides high quality images under all lighting conditions. It is perfect for remote and discreet monitoring of indoor areas such as home, small businesses, boutiques, restaurants, hotels, residences, etc.



Camera

- 1/2.9" Sony Exmor Progressive CMOS
- 4.2mm Fixed Lens provides 56 degrees horizontal / 43 degrees vertical angle of view
- 0.5 lux minimum illumination at F1.2
- Maximum resolution 1920 x 1080
- Removable IR-cut Filter for Day & Night Function
- Built-in 10 IR illuminators, effective up to 10 meters
- Built-in PIR sensor (6m/120 degrees coverage) for thermal / motion detection

Video / Audio

- H.264 / MPEG-4 and M-JPEG video compression simultaneously
- Simultaneous multi-stream support
- H.264 high profile, main profile and baseline
- Max. resolution 1080P at 30fps
- 3DNR to improve picture quality at low Lux
- WDR Enhancement to enhance visibility under extremely bright or dark environments
- 2-way audio support with enhanced audio quality

Network and Configuration

- Compliant with IEEE 802.3af PoE interface for flexible deployment
- Auto MDI/MDI-X supported
- Supports for IPv6 in addition to the standard IPv4
- RTSP / UPnP / 3GPP / HTTPS protocols selectable

Easy Installation & Management

- ONVIF compliant for interoperability
- Intelligent motion detection up to 10 zones
- Intelligent motion / audio detection alarm triggers
- Built-in Samba client for NAS
- 3GPP for 3G mobile remote applications
- Micro SD/SDHC card local video recording supported
- Digital Input/Output for integration with sensors and alarms
- Easy configuration and management via Windows-based utility or web interface
- Cam Viewer 3 central management software supported

Day & Night Surveillance

The ICA-1200 brings the clearest vision at night by featuring 0.5 lux illumination and the 10 red-light LEDs built around the lens. It offers color pictures both in the daytime and nighttime with the built-in CMOS sensor supporting up to 5~10 meters. The ICA-1200 also uses new High-Light LED to provide greater performance in the dark and longer life of LED.



Exceptional Image Quality

Together with powerful image processing attributes like Wide Dynamic Range (WDR) and 3D Digital Noise Reduction (3DNR) technology, the ICA-1200 is able to filter the intense backlight surrounding a subject and remove noises from video signal. Thus, it brings an extremely clear and exquisite picture quality even under any challenging lighting conditions..



Passive InfraRed (PIR) Sensor

The ICA-1200 is designed with a built-in Passive InfraRed (PIR) motion detection sensor able to detect movement far from 6 meters away. When people pass by or an emergency happens in the specified areas, the ICA-1200 will “detect” and start recording automatically. With the additional function of alarm notification, it can send an e-mail alert or the captured images via FTP upload to a designated storage server.



Advanced Event Management

Supports Store-to-NAS function, the ICA-1200 can work alone and save the video file to a NAS directly, which can save the PC resource and keep monitoring the environment for motion detection at 7/24. It also offers 2-way audio surveillance; therefore, the administrator can speak to anyone at the ICA-1200 remote site with a speaker connected. In addition, the ICA-1200 supports inputs/outputs to connect with external devices such as door sensors and relays to activate light or close doors.

Two-Way Audio

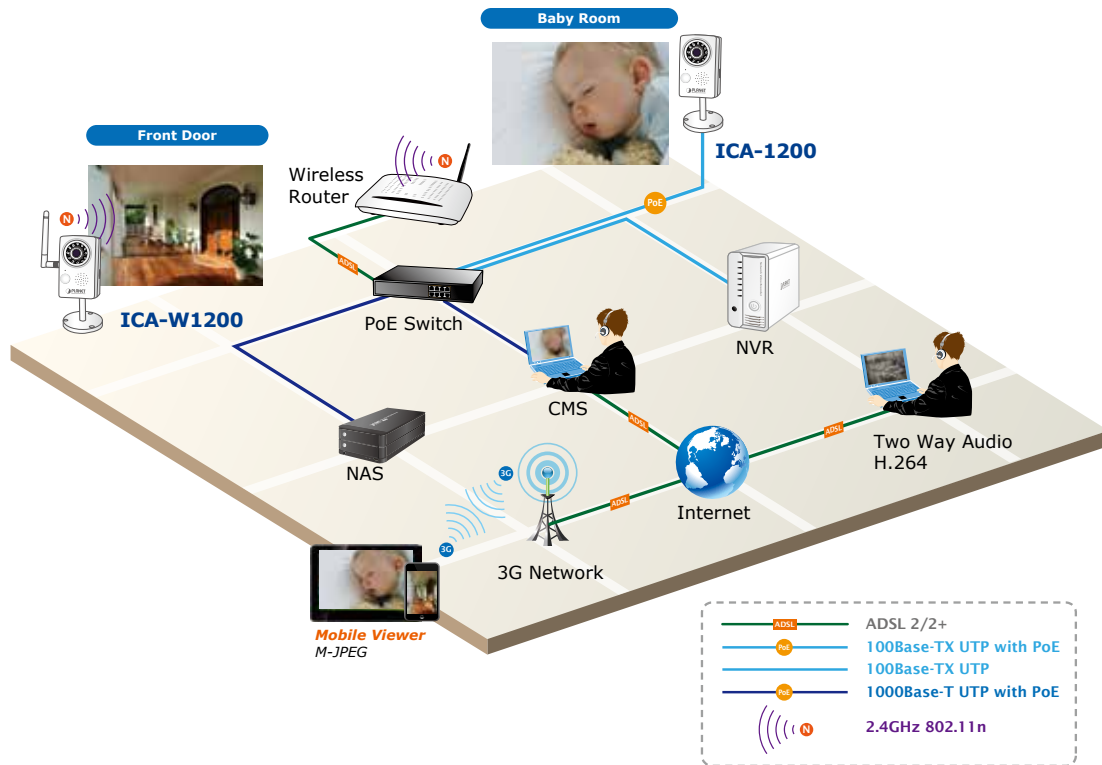


Flexible Installation and Power Functionality

The ICA-1200 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 and PoE injector. It thus eliminates the need for extra power cables and reduces installation costs while increases the deployment flexibility. The ICA-1200 is ONVIF compliant and interoperable with other brands in the market. It also includes 64-CH central management software for ease of maintenance and remote monitoring. The ICA-1200 is indisputably the ideal choice for reliable and high performance surveillance.

Applications

PLANET ICA-1200 is a highly cost-effective network camera designed for home monitoring. It provides clear identification of objects and people, so it perfectly satisfies surveillance needs from all aspects such as small businesses, boutiques, restaurants, hotels, residences, etc.



Specification

Model	ICA-1200
Camera	
Image device	1/2.9" Sony Exmor Progressive CMOS
Lens	4.2 mm, fixed iris, fixed focus Angle of view : horizontal: 56 Degree / vertical: 43 Degree
Effective Pixels	1920 x 1080 pixels (16:9)
Min Illumination	0.5 lux @ F1.2
LED	IR LED x 10, 850nm Built-in IR illuminators, effective up to 5~10 meters
PIR Sensor	Built-in 6m/120 Degree Coverage
Video	
Video Encoder	H.264 / MPEG-4 / M-JPEG
Video Resolution	1080P mode H.264: 1080P / 640 x 360 / 672 x 352 / 320 x 180 / 160 x 90 M-JPEG: 1080P / 640 x 360 / 320 x 180 / 160 x 90 MPEG4: 1080P / 640 x 360 / 320 x 180 / 160 x 90 720P mode H.264: 1280 x 720 / 640 x 368 / 640 x 360 / 160 x 90 M-JPEG: 1280 x 720 / 640 x 360 / 160 x 90 MPEG-4: 1280 x 720 / 640 x 360 / 160 x 90
Frame Rate	Up to 30fps for all resolutions
Image Setting	AE, AWB 3D Noise Reduction WDR Color, Brightness, Sharpness, Contrast, Hue Mirror / Flip 10 Privacy Masks Text, Time and Date Overlay
Streaming	Simultaneously multi-profile streaming Streaming over UDP, TCP, or HTTP M-JPEG streaming over HTTP (server push) Supports 3GPP mobile surveillance (MPEG4) Controllable frame rate and bandwidth Constant and variable bit rate (MPEG4 / H.264) ROI
Audio	
Audio Streaming	2-Way Audio
Audio Compression	RTSP: G.711 64kbps, G.726 32kbps 3GPP: AMR
Microphone	Built-in Microphone and Speaker input
Audio Output	Adjustable audio output gain
Network and Configuration	
Network Standard	IEEE 802.3 10Base-T IEEE 802.3u 100Base-TX
Network Protocol	IPv4, IPv6, TCP/IP, UDP, HTTP, HTTPS, SMTP, FTP, NTP, DNS, DDNS, DHCP, ARP, Bonjour, UPnP, RTSP, RTP, RTCP, IGMP, PPPoE, 3GPP, ICMP, Samba
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
Alarm Triggers	Intelligent Video Motion Detection External Input PIR detector (Human Detect) Audio detection
Alarm Events	File upload via FTP, Samba, SD card or email Notification via email, HTTP, and TCP External output activation Audio alerting output
Video Buffer	Pre and post alarm buffering

Specification

Environment	
Power Requirement	12V DC, 1A IEEE 802.3af (Power over Ethernet) Class 3
Power Consumption	6W (12VDC)
Operating Temperature	-10 ~ 40 degrees C
Operating Humidity	20 ~ 80% (non-condensing)
Dimensions (W x D x H)	58 x 39 x 91 mm
Weight	146g
Emission	CE, FCC
Connectors	10/100 Mbps Ethernet, RJ-45 DC power jack Terminal block for 1 alarm input and 1 output Audio out TV out Micro SD/SDHC card (Max 32GB, Class 6) Factory default reset

Ordering Information

ICA-1200	Full HD PoE Cube IP Camera
----------	----------------------------

Related Products

ICA-W1200	Full HD Wireless Cube IP Camera
ICA-HM101	2 Mega-Pixel PoE Cube IP Camera
ICA-HM101W	2 Mega-Pixel Wireless Cube IP Camera
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
NVR-420	4-Ch Network Video Recorder with HDMI
NVR-810	8-CH Network Video Recorder
NVR-1610	16-CH Network Video Recorder
NVR-3210	32-CH Network Video Recorder
NVR-3250	32-Ch Rack Mount Network Video Recorder
CV3-M1024	1024-Channel Central Management Software