

Full HD PoE Box IP Camera



Superb Full HD Quality for Professional Surveillance

The PLANET ICA-2200 is a Full HD camera for a wide range of video surveillance over IP networks. It supports H.264, MPEG-4, and M-JPEG compression formats to deliver excellent picture quality in 1080P resolutions at 30 frames per second (fps). Superb 1080P video quality is provided with progressive scan in multiple individual streams, 16:9 aspect ratio and frame rate. The ICA-2200 offers high-performing video surveillance in both indoor and outdoor applications. It is perfect for securing locations such as buildings, roads, parking areas, garages, railway stations, airports and etc.

HD 1080P Resolution



Day & Night Surveillance

The ICA-2200 features an automatic, removable infrared-cut filter to provide color video when there is sufficient light, and black/white video in dark conditions. The ICA-2200 is able to maintain clear images 24 hours a day.



Extraordinary Image quality

Together with powerful image processing attributes like Wide Dynamic Range (WDR) and 3-Dimension Noise Reduction (3DNR) technology, the ICA-2200 is able to filter the intense backlight surrounding a subject and remove noises from video signal. Thus, an extremely clear and exquisite picture quality can be produced even under any challenging lighting conditions.



Advanced event management

The ICA-2200 supports a number of advanced features that enhance the camera flexibility and capabilities. The Auto-Iris function improves the image quality and avoid over exposure. The AV output enables 2-Way audio communication. The embedded micro SD/SDHC card slot facilitates the image storage locally. It also provides the RS-485 interface for an optional pan/tilt enclosure connection to effectively perform pan/tilt management. The inputs/outputs interface in the ICA-2200 can connect to external devices such as door sensors and relays to activate light or close doors automatically.

Flexible installation and Power functionality

The ICA-2200 incorporates 802.3af Power over Ethernet standard so it can be powered via the network cable, eliminating the need for power cables and reducing installation costs. The ICA-2200 is ONVIF compliant and therefore is interoperable with other brands in the market. It also includes the 64 channel central management software for efficient surveillance monitoring. The ICA-2200 is indisputably the top choice for reliable and high performance surveillance.

KEY FEATURES

CAMERA

- 1 / 2.7" Progressive 2MP CMOS sensor
- 3.3~12 mm Vari-Focal, Auto-Iris Lens
- 0.5 lux Minimum Illumination at F1.4
- Maximum resolution 1920 x 1080
- Removable IR-Cut Filter for Day & Night Function
- CS or C-mount Adjustment Ring for Flexible Lens Installation

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

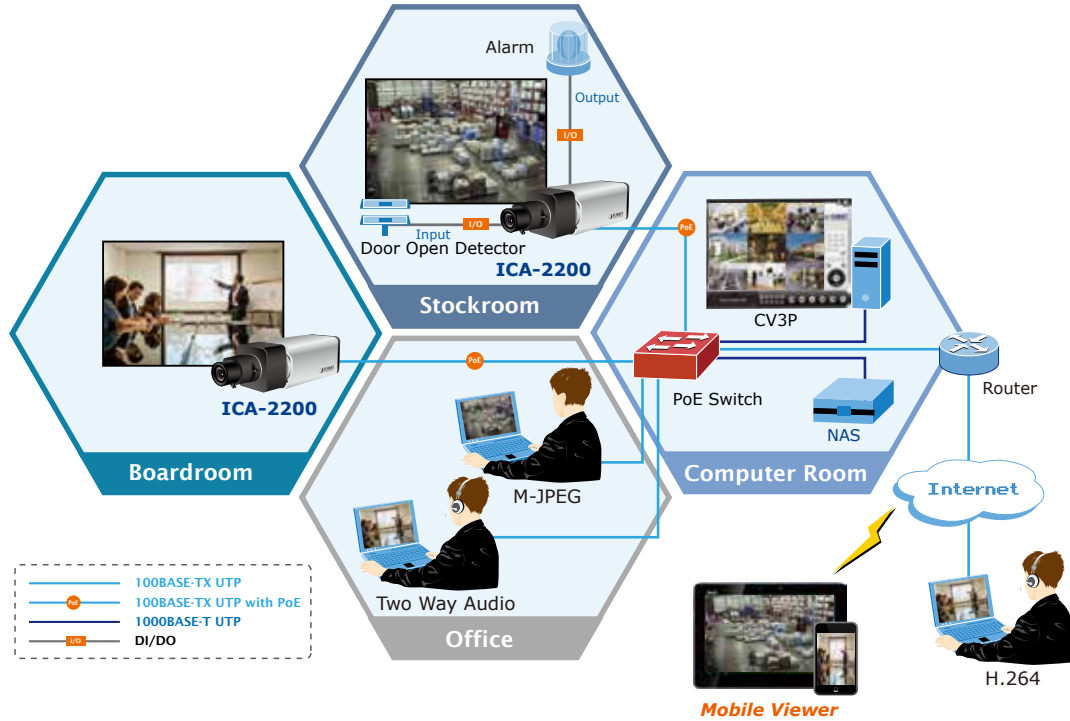
- Compliant with IEEE 802.3af PoE interface for flexible deployment
- Auto MDI/MDI-X supported
- Supports IPv6 protocol in addition to the standard IP protocol version 4 (IPv4)
- RTSP / UPnP / 3GPP / HTTPS protocols selectable

EASY INSTALLATION & MANAGEMENT

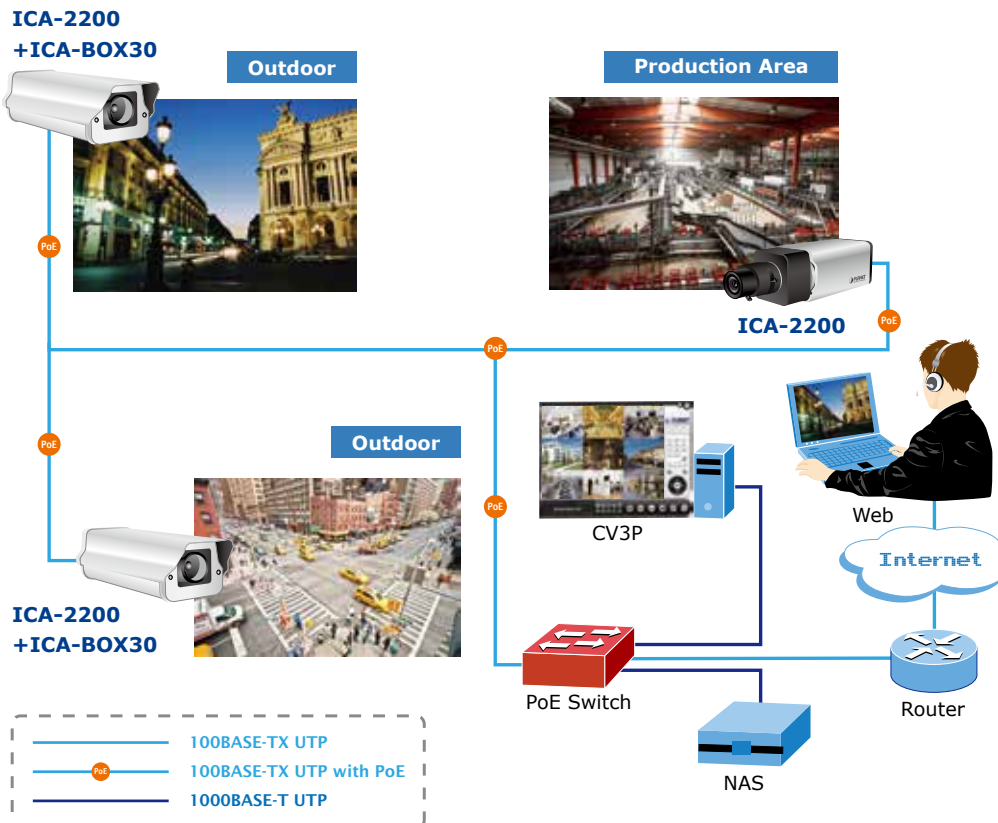
- ONVIF compliant
- Built-in Samba client for NAS
- 3GPP for 3G mobile remote applications
- RS-485 interface for P/T scanner control
- Digital Input / Output for integration with sensors and alarms
- Cam Viewer 3 Central management software supported

APPLICATIONS

Remote monitoring for indoor application



Day-and-night vision application with the ICA-2200



SPECIFICATION

Product	Full HD PoE Box IP Camera
Model	ICA-2200
Camera	
Image Device	1/2.7" type progressive scan CMOS sensor
Lens	Vari-Focal 3.3~12mm, F1.4 DC Auto-Iris, CS mount Mechanical IR Cut Filter Angle of view (horizontal Field): 79.3 x 29.8 Degree
Min Illumination	0.5 lux @ F1.4
Effective Pixels	1920 x 1080 pixels
Image	
Video Compression	H.264 / MPEG-4 / M-JPEG
Video Resolution	1080P mode H.264: 1080P / 640 x 360 / 320 x 180 / 160 x 90 M-JPEG: 1080P / 640 x 360 / 320 x 180 / 160 x 90 MPEG4: 640 x 360 / 320 x 180 / 160 x 90 720P mode H.264: 1280 x 720 / 640 x 360 / 160 x 90 M-JPEG: 1280 x 720 / 640 x 360 / 160 x 90 MPEG-4: 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 Mirror / Flip 8 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	External microphone input
Audio Output	Adjustable audio output gain
Network and Configuration	
Standard	IEEE 802.3 10Base-T IEEE 802.3u 100Base-TX
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 Compliant
Alarm Triggers	Intelligent video motion 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 alerting output Pre and post-alarm buffering

General	
Power Requirement	12V DC, 1A IEEE 802.3af Class 3
Power Consumption	6W max.
Operating Temperature	0 ~ 50 Degree C
Operating Humidity	20 ~ 80% (non-condensing)
Weight (include LENS)	392g
Dimension (W x D x H)	58 x 125 x 62 mm
Emission	CE, FCC
Connectors	10/100Mbps Ethernet, RJ-45 DC power jack Terminal block for 1 alarm input and 1 output RS-485 interface for pan/tilt scanners control External MIC input Audio output Composite video output Micro SD/SDHC card (Max 32GB, Class 6) Factory default reset

ORDERING INFORMATION

ICA-2200	Full HD PoE Box IP Camera
ICA-BOX30	30 meter IR Outdoor Housing

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
NVR-401	4-CH Network Video Recorder
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
FGSD-1022P	8-Port 10/100Mbps Fast Ethernet + 2 Gigabit TP/ SFP combo Managed PoE Switch
FGSW-2620PVM	24-Port 10/100Mbps + 2 Gigabit TP / SFP Managed PoE Switch - 190W
FNSW-1600P	16-Port 10/100Base-TX PoE Fast Ethernet Switch
SGSW-24040P	24-Port 10/100/1000Mbps with 4 Shared SFP PoE Managed Stackable Switch
FSD-808P	8-Port 10/100Mbps PoE Fast Ethernet Switch