5 Mega-Pixel PoE Box IP Camera

High resolution, professional day and night network camera

The PLANET ICA-2500 is a 5 Mega-Pixel, high resolution camera for round-the-clock surveillance over IP network. It supports H.264, MPEG-4, and M-JPEG compression formats to deliver excellent picture quality in 5 Mega-Pixel resolutions at 15 frames per second (fps). Incorporating the Mega-Pixel Vari-Focal Lens from TAMRON, which is specially designed for surveillance applications, the ICA-2500 provides high quality images under all lighting conditions. It is an ideal solution for indoor / outdoor surveillance applications in the buildings, roads, parking areas, garages, railway stations, airports and etc.

Day & Night Surveillance

The ICA-2500 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-2500 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-2500 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.

Data Sheet

Advanced event management

The ICA-2500 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-2500 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-2500 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. With Gigabit Ethernet Transmission capability, the ICA-2500 gives users the utmost bandwidth flexibility and storage efficiency. The ICA-2500 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-2500 is indisputably the top choice for reliable and high performance surveillance.

KEY FEATURES

CAMERA

- 1 / 3" Progressive 5 MP CMOS sensor
- 2.8~8 mm Vari-Focal, Auto-Iris Lens
- Lux Minimum Illumination at F1.4
- Maximum resolution 2592 x 1944
- 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 5MP at 15 fps, 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
- Equipped with Gigabit Ethernet port
- Auto MDI/MDI-X supported
- Supports IPv6 protocol in addition to the standard IP protocol version 4 (IPv4)
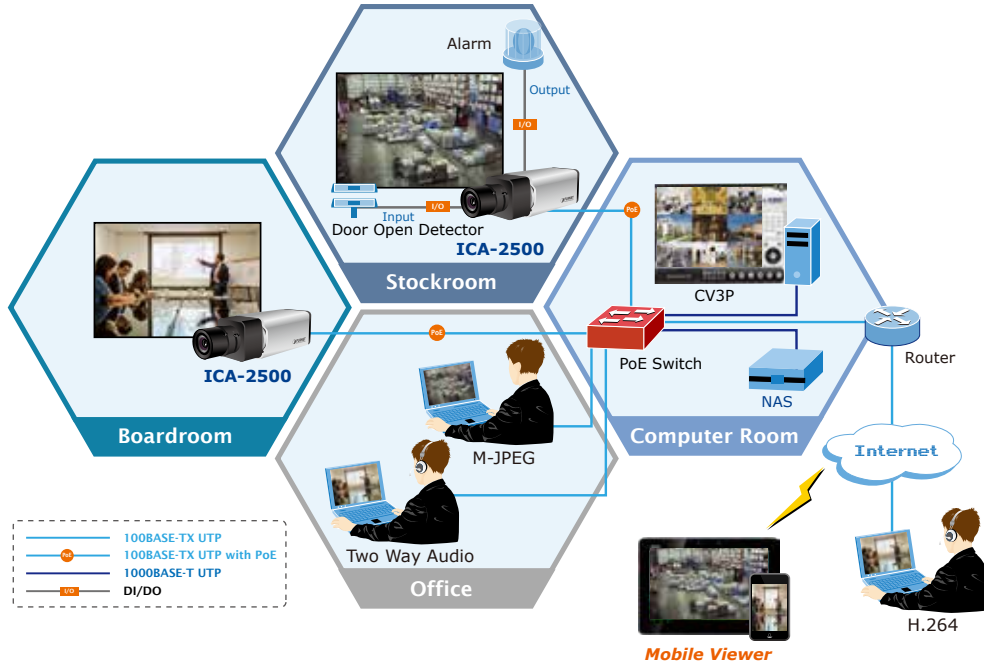- RTSP / UPnP / 3GPP / HTTPS protocols selectable

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
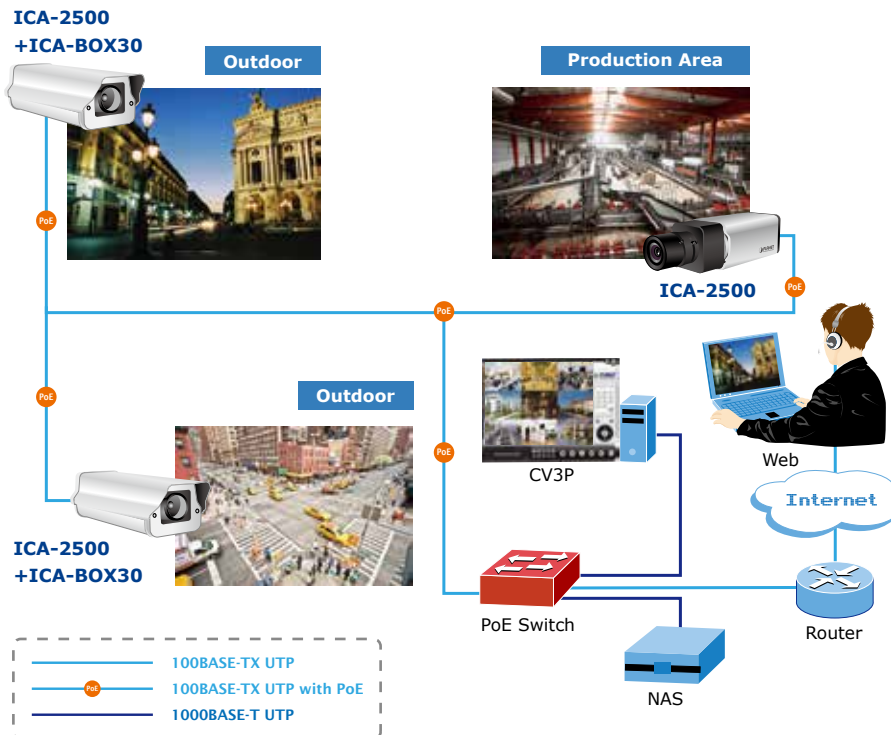- Cam Viewer 3 Central management software supported

APPLICATIONS

Remote monitoring for indoor application

The ICA-2500 supports 802.3af Power over Ethernet (PoE) to be able powered directly through Ethernet cable from PoE power sourcing equipment, which eliminates the need for power cables and reduce installation costs. Besides, it provides Gigabit Ethernet Transmission capability to give users the utmost advantage in flexible bandwidth usage and efficient surveillance image storage.

Day-and-night vision application with the ICA-2500

The ICA-2500 features an automatic, removable infrared-cut filter, which enables the camera to provide color video when there is sufficient light, and black/white video in dark conditions. The camera is able to maintain clear images 24 hours a day.

SPECIFICATION

Product	5 Mega-Pixel PoE Box IP Camera
Model	ICA-2500
Camera	
Image Device	1/3" type progressive scan CMOS sensor
Lens	Vari-Focal 2.8~8mm, F1.0 DC Auto-Iris, CS mount Mechanical IR Cut Filter Angle of view: Horizontal 1/3W- 100.1 x 72.9 Degree 　　　　　　　　 Vertical 1/3T- 35.8 x 26.8 Degree
Min Illumination	1.0 lux @ F1.4
Effective Pixels	2592 x 1944 pixels
Image	
Video Compression	H.264 / MPEG-4 / M-JPEG
Video Resolution	**5M mode** H.264: 2592 x 1944 / 1280 x 960 / 640 x 480 / 320 x 240 **2M mode** H.264: 1080P / 1280 x 720 / 640 x 360 / 320 x 180 MPEG4: 1280 x 720 / 640 x 360 / 320 x 180 M-JPEG: 1080P / 1280 x 720 / 640 x 360 / 320 x 180
Frame Rate	15fps for 5M mode 30fps real-time for 2M mode
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 HTTPS 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 IEEE 802.3ab 1000Base-T
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	7W max.
Operating Temperature	0 ~ 50 Degree C
Operating Humidity	20 ~ 80% (non-condensing)
Weight (includes LENS)	404g
Dimension (W x D x H)	125 x 62 x 58 mm
Emission	CE, FCC
Connectors	10/100/1000Mbps Gigabit 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 (Max. resolution: D1 720 x 480 pixel) Local video output: Selectable NTSC/PAL video signaling Micro SD/SDHC card (Max 32GB, Class 6) Factory default reset

ORDERING INFORMATION

ICA-2500	5 Mega-Pixel PoE Box IP Camera

ACCESSORIES

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
FSD-808P	8-Port 10/100Mbps PoE Fast Ethernet Switch
SGSW-24040P	24-Port 10/100/1000Mbps with 4 Shared SFP PoE Managed Stackable Switch
SGSW-24040P4	24-Port 10/100/1000Mbps with 4 Shared SFP PoE Managed Stackable Switch / 400W

C-ICA-2500