H.264 2Mega-Pixel Fish-Eye Panorama IP Camera

PLANET ICA-HM830 is the new H.264 2Mega-Pixel Fixed Dome IP camera featuring a fish-eye lens for 360 degree panoramic wide angle view without blind spot. The ICA-HM830 delivers clear image through Multi-streaming H.264 and Motion JPEG video up to UXGA (1600 x 1200 pixels). The fish-eye lens with 2Mega Pixel high resolution images provides 360 degree wide view surveillance and the panorama function with quad view enables four different angles images to display simultaneously for monitoring and recording.

The ICA-HM830 digital Pan/Tilt and zoom function can provide users 9 different video modes including:

- 360° Source image
- 360° Table view
- 180° double broad view
- 180° double table broad view
- 360° source view with 3 PTZ

- Quad view
- 360° broad view with 2 PTZ
- 180° source view with 3 PTZ
- 180° broad view with 2 PTZ

Furthermore, the ICA-HM830 applies perspective correction software to eliminate the rounding normally associated with fish-eye lenses and thus save lots of traditional mechanical Pan/Tilt maintenance cost.

The ICA-HM830 is highly flexible to be applied in various kinds of IP surveillance environment. It has built-in ICR (IR-cut filter Removable) for day / night surveillance and is compatible with IEEE 802.3af PoE (Power over Ethernet) for easy installation without concerning the outlet / socket locations. In addition, the ICA-HM830 provides surveillance functions including DI/DO alarm, MicroSD card support for local storage, and 2-Way audio that enables audio communication between local and remote ICA-HM830 installed sites by connecting the external microphone and speaker.
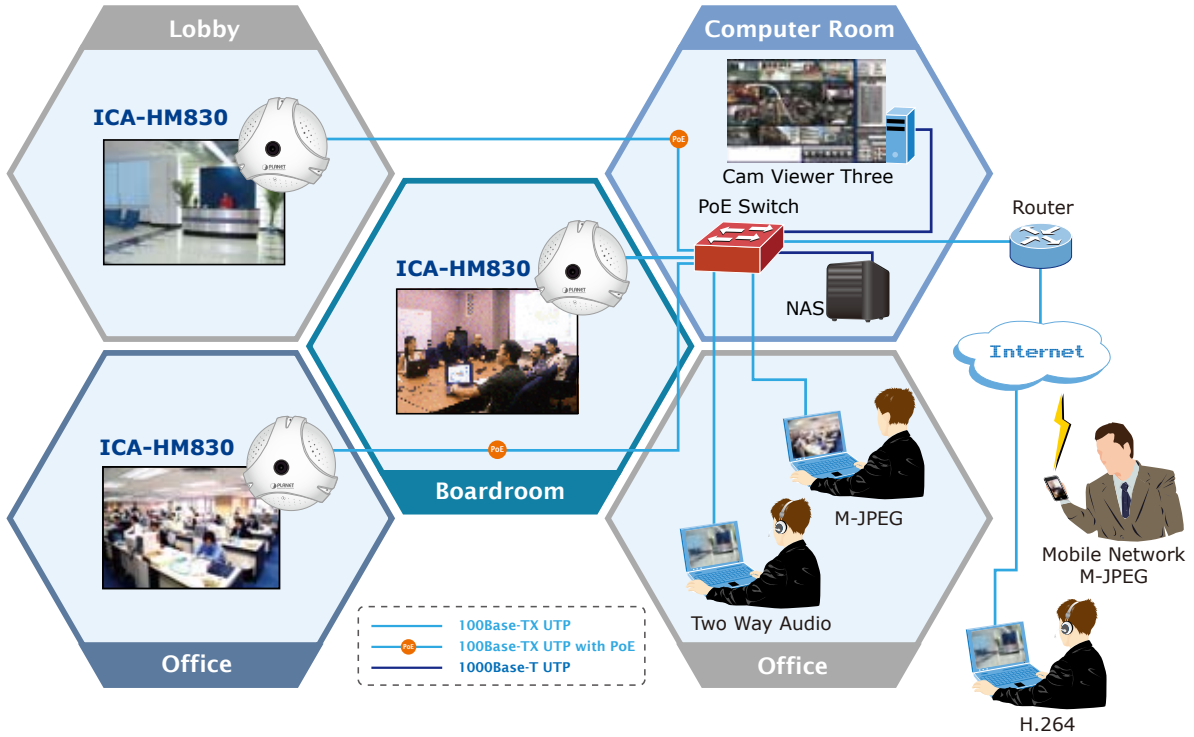
The ICA-HM830 is the perfect panoramic surveillance application for the hallway, stores or offices so customers do not need to install multiple IP cameras and thus can save lots of installation and maintenance cost.   Moreover, the ICA-HM830 can be managed by PLANET Cam Viewer 3 IP-Surveillance management software for multi-camera video surveillance application and provides monitoring, recording and event management functions to secure your property and life.

KEY FEATURES

- 360 degree Fish-Eye panoramic wide angle view

- 9 different 360 degree/ 180 degree video mode including digital PTZ function

- High quality 2Mega-Pixel CMOS image sensor (maximum up to 1600 x 1200 resolution)

- H.264 and M-JPEG dual codec

- Day/Night switch with ICR (IR-cut Filter Removable)

- IEEE 802.3af standard PoE interface

- 2-Way audio with built-in microphone and speaker

- 10 motion detection areas / E-mail and FTP alert

- External I/O trigger for various surveillance application

- High performance video decoder to decrease image distortion

- DDNS and FTP uploading provide more alternatives in surveillance network

APPLICATIONS

PLANET ICA-HM830 is providing various surveillance applications to deliver 360° panoramic clear images. It can provide identification of objects and people, perfect for surveillance needs from all aspects such as POS / Cashier of a shop, the mall, lobby, public area and etc.

Ceiling Mode

360° Source image

180° double broad view

360° source view with 3 PTZ

Quad view

360° broad view with 2 PTZ

Wall Mode

Quad view

180° broad view with 2 PTZ

Table Mode

360° Table view

180° double table broad view

SPECIFICATION

Product	H.264 2Mega-Pixel Fish-Eye Panorama IP Camera
Model	ICA-HM830
Video Specification	
Image Sensor	1/3" 2Mega CMOS image sensor
Lens	Fish-Eye Lens, FOV=185°(D/H/V), F=2.0, f=1.25mm
Sensitivity	1.5 Lux @ F2.0
View Angle	H:185 Degree / V:185 Degree / D:185 Degree
Video Encoder	H.264 / M-JPEG
Rate Control	CBR (Constant Bit Rate) / VBR (Variable Bit Rate)
Video Resolution	H.264/M-JPEG UXGA / SVGA / VGA
Frame Rate	UXGA / SVGA/ VGA Up to 15fps
Image Control	Brightness, Hue, Saturation, Contrast, Sharpness, Exposure, White balance control, Text, time and date overlay
Audio Specification	
Audio Codec	u-Law PCM 8Khz
Audio Streaming	One-Way or Two-Way
Microphone	Build-in Mic / External microphone input
Audio Input	Phone Jack
Audio Output	Phone Jack
Network and Configuration	
Network Interface	1 x RJ-45
Network Standard	IEEE 802.3 / IEEE 802.3u / IEEE 802.3af
Network Protocol	HTTP, HTTPS, TCP/IP, IPv4, UDP, SMTP, FTP, DHCP, DDNS, NTP, DNS, ARP, RTSP, RTP, Bonjour, UPnP
Browser / Software	Microsoft ® Internet Explorer 6.0 or later PLANET Cam Viewer 3 Lite/Pro
Motion Detection	10 areas definable
Environment Specifications	
Power Requirement	12V DC, 2A IEEE 802.3af Power over Ethernet
Dimension (Ø x H)	180 x 55 mm
Weight	365 g
Power Consumption	390mA max
Operating Temperature	0 ~ 50 Degree C
Operating Humidity	20 ~ 80% (non-condensing)
Emission	CE, FCC

ORDERING INFORMATION

ICA-HM830	H.264 2Mega-Pixel Fish-Eye Panorama IP Camera

RELATED PRODUCTS

ICA-HM136	H.264 2Mega-Pixel 20M IR Vandal Proof Dome IP Camera
ICA-HM131	H.264 Fixed Dome IP Camera
ICA-HM131R	H.264 Real-Time Fixed Dome IP Camera
FGSW-2620PVM	24-Port 10/100Mbps + 2- Gigabit TP/SFP Managed PoE Switch
FSD-804PS	8-Port 10/100Mbps with 4-Port PoE Web Smart Ethernet Switch