

2 Mega-Pixel Wireless Fisheye IP Camera



PLANET ICA-HM830W is the new H.264 2 Mega-Pixel Fixed Dome Wireless IP camera featuring a fisheye lens offering 360 degree panoramic wide angle surveillance without blind spot. The ICA-HM830W delivers clear image through Multi-streaming H.264 and Motion JPEG video up to UXGA (1600 x 1200 pixels). The fish-eye lens with 2 Mega-Pixel high resolution images provides panorama function with quad view that enables four different angles images to display simultaneously for monitoring and recording.

The ICA-HM830W digital Pan/Tilt and zoom function provides 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-HM830W applies perspective correction software to eliminate the rounding normally associated with fisheye lenses and thus save lots of traditional mechanical Pan / Tilt maintenance cost.

The ICA-HM830W 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. It is compatible with IEEE 802.11b/g/n wireless technology and WEP / WPA encryptions for secure wireless surveillance monitoring. In addition, the ICA-HM830W provides surveillance functions including DI/DO alarm, Micro SD card support for local storage, and 2-Way audio that enables audio communication between local and remote ICA-HM830W sites by connecting the external microphone and speaker. It can also be applied in video conferencing via its 2-Way audio features.

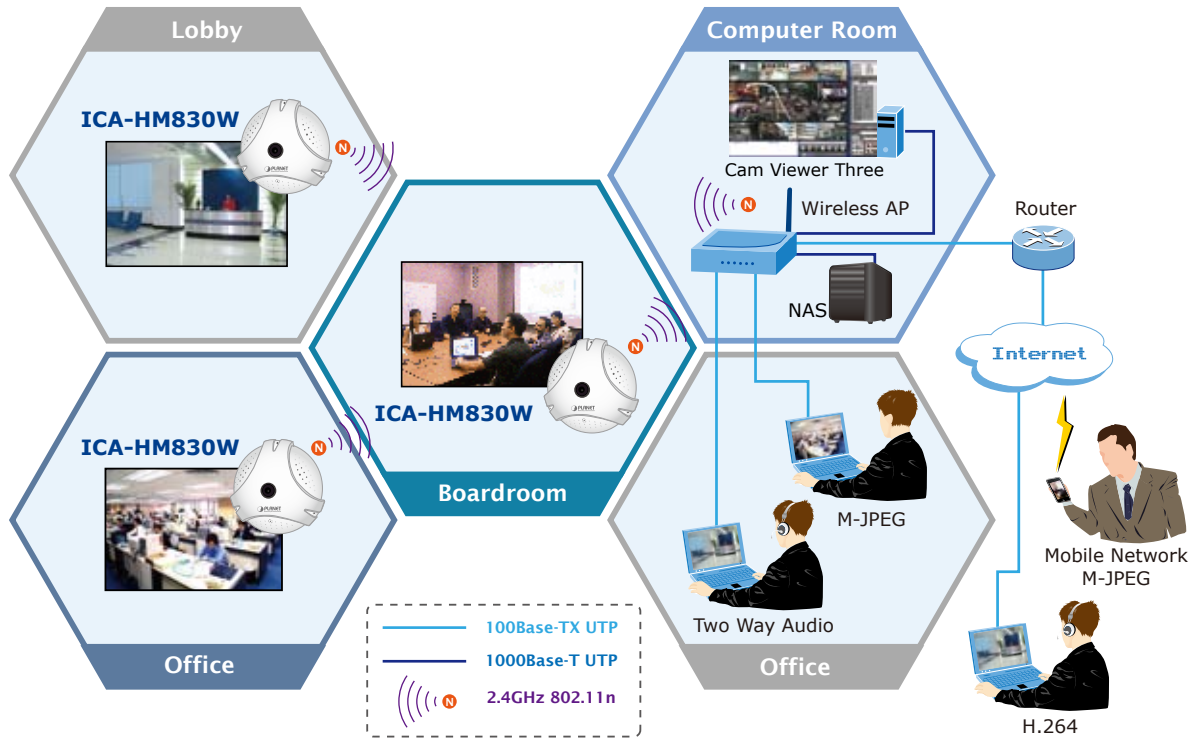
The ICA-HM830W is the perfect panoramic surveillance application for the hallway, stores or offices so customers do not need to install multiple IP cameras and thus can save lots of installation and maintenance cost. Moreover, the ICA-HM830W can be managed by PLANET Cam Viewer 3 IP-Surveillance management 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 modes including digital PTZ function
- High quality 2 Mega-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 802.11b/g/n wireless LAN with WEP and WPA encryption
- 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 applications
- High performance video decoder to decrease image distortion
- DDNS and FTP uploading provide more alternatives in surveillance network

APPLICATIONS

PLANET ICA-HM830W 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 areas 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



180° source view with 3 PTZ



180° broad view with 2 PTZ

Table Mode



360° Table view



180° double table broad view

SPECIFICATION

Product	2 Mega-Pixel Wireless Fisheye IP Camera
Model	ICA-HM830W
Video Specification	
Image Sensor	1/3" 2 Mega 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 Up to 15fps SVGA/ VGA Up to 30fps
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	Built-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 802.11n
Frequency	2.4GHz
Antenna connector	2dbi Dipole Antenna
Output Power	802.11b(11Mbps): 17.0 +/- 1 dBm 802.11g(54Mbps): 14.0 +/- 1 dBm 802.11n draft 6.0: 12.0 +/- 1 dBm
Receiver Sensitivity	802.11b(11Mbps): CCK@8% PER = -76dBm 802.11g(54Mbps): OFDM @ 10% PER = -65dBm 802.11n Draft 6.0: HT20 @ 10% PER = -64 dBm/ HT40@ 10% PER= -61dBm
Data Rate	IEEE 802.11b Standard Data Rates: 1, 2, 5.5 and 11Mbps IEEE 802.11g Standard Data Rates: 6, 9, 12, 18, 24, 36, 48, 54Mbps IEEE802.11n Standard Data Rates:6.5 to 150 Mbps (Follow MCS 0~7)
Security	WEP 64/128, WPA, WPA2, TKIP, AES, 802.1X, CCX
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
Dimension (Ø x H)	180 x 55 mm
Weight	365 g
Operating Temperature	0 ~ 50 Degree C
Operating Humidity	20 ~ 80% (non-condensing)
Emission	CE, FCC

ORDERING INFORMATION

ICA-HM830W	H.264 2Mega-Pixel Wireless Fisheye IP Camera
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RELATED PRODUCTS

ICA-HM830	H.264 2Mega-Pixel Fisheye Panorama IP Camera
ICA-HM835	2Mega-Pixel Vandal Proof Fisheye IP Camera
WNAP-1120PE	802.11n Wireless Access Point with PoE
WNAP-3000PE	802.11n Enterprise PoE Access Point
IAP-2000PE	Industrial 802.11n Wireless Access Point
WNRT-617	150Mbps 802.11n Wireless Broadband Router
NVR-401	4-CH Network Video Recorder
NVR-810	8-CH Network Video Recorder
NVR-1610	16-CH Network Video Recorder