

## 2 Mega-pixel Wireless Fisheye IP Camera



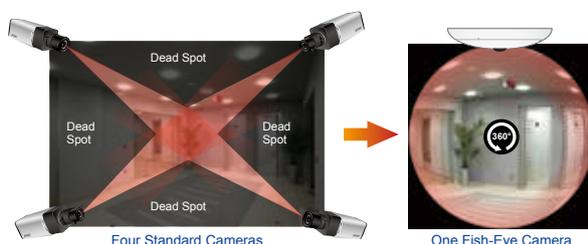
### Compact Wireless Panoramic Camera for Wide View Surveillance

PLANET ICA-W8200 2 mega-pixel Wireless Fish-Eye IP Camera supports H.264, MPEG-4 and JPEG compression formats and delivers excellent picture quality in up to 1440 x 1440 pixels at 15 frames per second (fps). Incorporating the professional 2 mega-pixel resolution sensor, the ICA-W8200 provides high-quality images and panorama function with quad view to enable images of monitoring and recording from four different angles to be displayed simultaneously. It offers 180° panoramic view by wall mount installation and 360° surround view in deployment of ceiling mount. Therefore, users do not need to install multiple IP cameras and hence save tremendous installation and maintenance costs. Moreover, the unique design makes it the ideal solution to surveillance applications in boutiques, stores, restaurants, indoor public areas, etc.



### Full Surveillance with 360° Surround View

Furthermore, the ICA-W8200 is a fish-eye camera that allows you to monitor all angles of a location using just one camera and thus saves lots of the traditional mechanical Pan/Tilt maintenance cost. The distorted hemispherical image of the fish-eye camera will be converted into the conventional rectilinear projection. Without installing any software, you can watch live view and utilize functions such as motion detection and camera tampering through the Web interface using a web browser. Distortion correction feature of the ICA-W8200 can fix the camera video so you can use e-PTZ to zoom in, zoom out, and pan across your camera's video to survey a large area easily.



### Camera

- Fish-Eye Lens to bring 360° /180° panoramic wide angle view
- 1/2.5" 2 mega-pixel progressive scan CMOS sensor
- Unique Fish-Eye hardware correction technology
- 1.9 lux minimum illumination at F2.0
- 9 different video modes including digital PTZ function
- Removable IR-cut Filter for Day & Night Function

### Video / Audio

- H.264, MPEG-4 and M-JPEG video compression simultaneously
- Simultaneous multi-stream support
- H.264 high profile, main profile and baseline
- Up to 15fps for 1440 x 1440 resolutions
- 2DNR to improve picture quality at low lux
- WDR enhancement function strengthens visibility under extremely bright or dark environments
- 2-way audio support with enhanced audio quality

### Network and Configuration

- IEEE 802.11b/g/n wireless LAN with WEP and WPA encryptions
- Auto MDI/MDI-X supported
- UPnP® support for network setup and configuration
- RTSP / UPnP / 3GPP / HTTPS protocols selectable

### Easy Installation & Management

- Advanced e-PTZ, including preset point
- 10 motion detection areas / E-mail and FTP alert
- Micro SD card local video recording supported
- Digital Input/Output for integration with sensors and alarms
- Cam Viewer 3 Central Management Software supported

### Exceptional Image Quality

Together with powerful image processing attributes like Wide Dynamic Range (WDR) and Dimension Noise Reduction (DNR) technology, the ICA-W8200 is able to filter the intense backlight surrounding a subject and remove noises from video signal. Thus, the ICA-W8200 offers an extremely sharp and clear image quality even under any challenging lighting conditions.



### Day & Night Surveillance

The ICA-W8200 features an automatic, removable infrared-cut filter, which enables the camera to provide color video when there is sufficient light, and black and white video in dark conditions. The camera is able to maintain clear images 24 hours a day.



### Advanced Event Management

The ICA-W8200 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-W8200 sites by connecting the external microphone and speaker. It can also be applied in video conferencing via the 2-way audio features.

### 2-way Audio



*Motion Detection & Alarms*

It is easy to configure motion detection windows by the web management interface of the ICA-W8200. Users can have total control in determining the object and sensitivity of these motion detection windows. The ICA-W8200 is able to send email notifications, alerts and snapshots to any dedicated email account. This will alert the user of any event in real time, no matter where the recipient may be.

**Motion-activated Recording & Instant Email Alert**



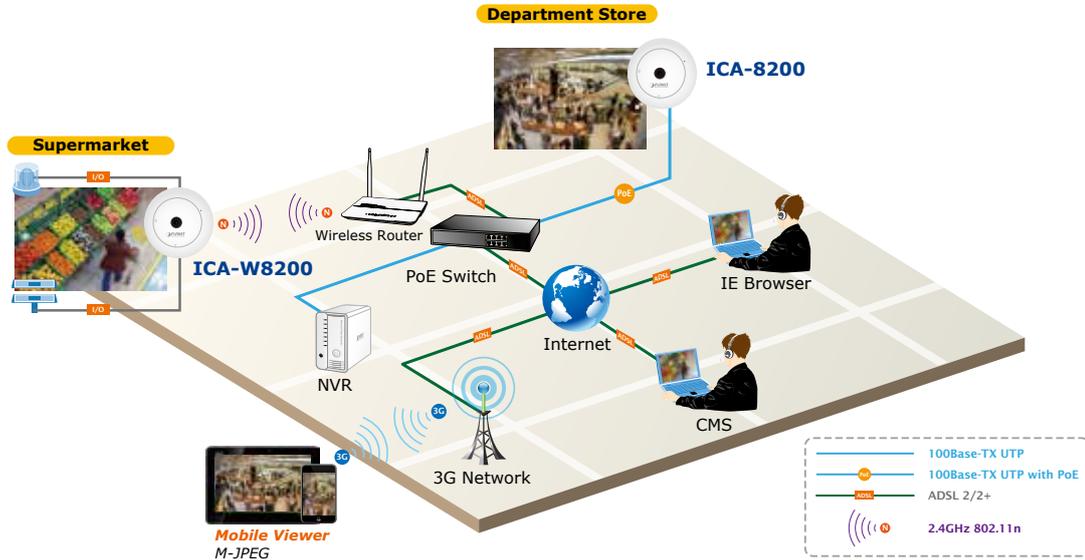
*High-quality Streaming via 11n Wireless Connectivity*

The ICA-W8200 adopts IEEE 802.11n wireless technology to communicate at maximum wireless signal rate and ensures secure transmission with WEP and WPA encryptions. It allows you to stream high-quality video to remote sites and mobile devices. A Site Survey feature also allows you to view and connect to nearby wireless networks with ease. Complying with ONVIF, the ICA-W8200 is therefore interoperable with the third brand camera in the market, which greatly supports users to integrate with their existing surveillance network. It also includes 64-CH central management software for ease of maintenance and remote monitoring. The ICA-W8200 is indisputably the top choice for reliable and high performance surveillance.



## Applications

PLANET ICA-W8200 can perform in various surveillance applications. With high-resolution design, it can capture clear images and is perfect for identifying objects and persons. Moreover, the ICA-W8200 supports IEEE 802.11n wireless operation, and facilitates the indoor surveillance applications without worrying the wire clutters.



Its Save-to-NAS and Save-to-SD card makes you easy to save your data. Besides, NVR and Web UI management make you easy to do the configuration and live viewing. Moreover, viewing your baby on your smart phone would give you a peace of mind. Of course, this nice camera supports IEEE 802.11n wireless and facilitates the indoor surveillance applications without worrying the wire clutters. With so many features offered, the ICA-8200 no doubt is your best choice for indoor surveillance solution.

- Source view (10)
- 180° Single broad view (1P wall)
- 360° Panoramic view (1P ceiling)
- 360° Quad view (4R)
- 360° Double broad view (2P)
- 180° Triple view (1P2R)
- 360° Triple view (1P2R)
- Triple with Source view (102R)
- Quad with Source view (103R)

**Source View (10)**



**Triple with Source View (102R)**



**360° Triple View (1P2R)**



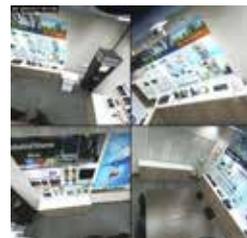
**360° Double Broad View (2P)**



**Quad with Source View (103R)**



**360° Quad View (4R)**



## Specifications

Product	ICA-W8200
<b>Camera</b>	
Image Device	1/2.5" 2 mega progressive scan CMOS image sensor
Lens	FOV=180±5°(D/H/V), F=2.0, f=1.25mm Mechanical IR-cut Filter Angle of view: 360 degrees view angle
Min Illumination	1.9 lux @ F2.0, without IRE (Color) 0.1 lux @ F2.0, without IRE (B/W)
Effective Pixels	1440 x 1440 pixels
<b>Video</b>	
Video Encoder	H.264 / M-JPEG / MPEG-4
Video Profile	H.264: 1440 x 1440 / 1600 x 1200 / 1280 x 1024 / 800 x 600 / 640 x 480 M-JPEG: 1440 x 1440 / 1600 x 1200 / 1280 x 1024 / 800 x 600 / 640 x 480 MPEG4: 1440 x 1440 / 1600 x 1200 / 1280 x 1024 / 800 x 600 / 640 x 480
Frame Rate	Up to 15fps for 1440 x 1440 resolutions
Image Setting	Day / Night mode 2D noise reduction WDR Brightness, Saturation, Contrast, Sharpness Rotate/Mirror Text, time and date overlay
Streaming	Streaming over UDP, TCP, or HTTP M-JPEG streaming over HTTP (server push) Controllable frame rate and bandwidth Constant and variable bit rate (M-JPEG / H.264) Simultaneous multi-profile streaming ROI
Rate Control	CBR (Constant Bit Rate) VBR (Variable Bit Rate)
UI Layout	Source view (1O) 180° Single broad view (1P wall) 360° Panoramic view (1P ceiling) 360° Quad view (4R) 360° Double broad view (2P) 180° Triple view (1P2R) 360° Triple view (1P2R) Triple with Source view (102R) Quad with Source view (103R)
<b>Audio</b>	
Audio Streaming	2-way audio
Audio Compression	RTSP: G.711 64kbps
Microphone	Built-in microphone
Speaker	Built-in speaker
<b>Network and Configuration</b>	
Network Standard	IEEE 802.3 10BASE-T IEEE 802.3u 100BASE-TX IEEE 802.11b/g/n
Network Protocol	HTTP, HTTPS, TCP/ IP, IPv4, UDP, SMTP, FTP, DHCP, DDNS, NTP, DNS, ARP, RTSP, RTP, UPnP, ONVIF (Profile S), Multicast
Antenna Connector	1 x 2db dipole antenna
Frequency	2.4GHz
RF Transmission Power	OFDM: 13dBm CCK: 17dBm
Output Power	802.11n: 12dBm (default) +/- 1dBm 802.11g: 14dBm (default) +/- 1dBm 802.11b: 17dBm (default) +/- 1dBm
Data Rate	802.11n: up to 150Mbps 802.11g: 6, 9, 12, 18, 24, 36, 48, 54Mbps 802.11b: 1, 2, 5.5, 11Mbps

Receive Sensitivity	<b>802.11b (11Mbps):</b> CCK@8% PER = -88dBm <b>802.11g (54Mbps):</b> OFDM @ 10% PER = -72dBm <b>802.11n Draft 6.0:</b> HT20 @ 10% PER = -66 dBm HT40@ 10% PER= -61dBm
Security	Password Protection, Https encryption, User access log
Users	Depending on streaming data rate used
<b>System Integration</b>	
Application Programming Interface	Open API for software integration ONVIF
Alarm Triggering	Intelligent video motion detection
Alarm Events	File upload via FTP, e-mail or Micro SD card Notification via e-mail
<b>Environment</b>	
Power Requirements	12V DC, 2A IEEE 802.3af Power over Ethernet Class 3
Power Consumption	Max. 6W
Operating Temperature	0 ~ 50 degrees C
Operating Humidity	20 ~ 80% (non-condensing)
Weight	324g
Dimensions (Φ x H)	194 x 49mm
Emission	CE, FCC
Connectors	10/100Mbps Ethernet, RJ-45 DC power jack Terminal block for 1 alarm input and 1 output Audio in Audio out Micro SD/SDHC card (max. 32GB, Class 6) Factory default reset button

## Ordering Information

ICA-W8200	2 mega-pixel Wireless Fish-Eye IP Camera
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## 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
CV3-M1024	1024-Channel Central Management Software
ICA-8200	2 mega-pixel PoE Fish-Eye IP Camera
ICA-8350	3 mega-pixel Vandalproof Fish-Eye IP Camera
ICA-8500	5 mega-pixel PoE Fish-Eye IP Camera
ICA-W8500	5 mega-pixel Wireless Fish-Eye IP Camera
ICA-W8100	Wireless Cube Fish-Eye IP Camera
ICA-W8100-CLD	Wireless Fish-Eye Cloud IP Camera
NVR-820	8-CH Network Video Recorder with HDMI
NVR-1620	16-CH Network Video Recorder with HDMI
NVR-3210	32-CH Network Video Recorder
NVR-3250	32-Ch Rack Mount Network Video Recorder
WDAP-C7200AC	1200Mbps 802.11ac Dual Band Ceiling Mount Wireless Access Point
WDAP-C7400	900Mbps Dual Band Ceiling Mount Wireless Access Point

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ICA-W8200