

# Wireless Cube Fish-Eye IP Camera



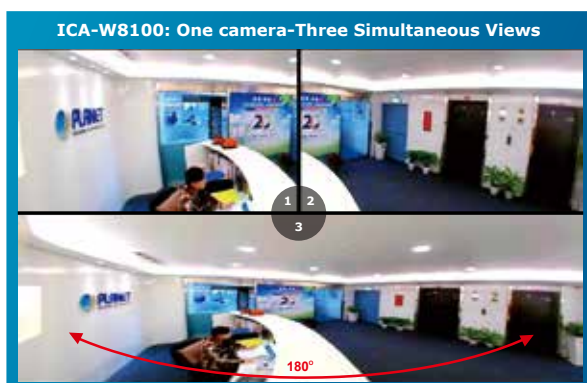
### Compact Wireless Panoramic Camera for Wide View Surveillance

PLANET ICA-W8100 is a compact cube camera providing a 180 degree panoramic wide angle view, especially designed for indoor surveillance. Incorporating 1.3MP-resolution sensors, it supports H.264, MPEG-4, and M-JPEG compression formats and delivers excellent picture quality in up to 1280 x 720 pixels (720P) at 30 frames per second (fps). The unique design makes it the ideal solution to surveillance applications in homes, boutiques, stores or restaurants.



### Wider Monitoring with 180° Panoramic View

The ICA-W8100 wireless fisheye camera allows you to monitor all angles of a location using just one camera, thus saving lots of traditional mechanical Pan/Tilt maintenance effort. The distorted hemispherical image of the fisheye camera will be converted into the conventional rectilinear projection. Without the need of installing any other software, with the ICA-W8100, you can watch live view and utilize functions such as motion detection through the Web interface via a web browser.



### Camera

- Fish-Eye Lens to bring 180 degree panoramic wide angle view
- Unique Fish-Eye hardware correction technology
- 1.3 mega-pixel CMOS sensor
- Passive Infrared (PIR) Sensor for enhanced motion detection

### Video / Audio

- H.264, MPEG-4 and M-JPEG video compression simultaneously
- Simultaneous Multi-H.264 streams support
- 2-Way audio support with enhanced audio quality

### Network and Configuration

- Wireless 802.11n connectivity / Wi-Fi Protected Setup (WPS)
- UPnP® support for network setup & configuration
- Auto MDI/MDI-X supported
- RTSP / UPnP / 3GPP / HTTPS protocols selectable

### Easy Installation & Management

- ONVIF compliant for interoperability
- Advanced e-PTZ, including preset point
- Plug and Play Smart Access Technology without IP setting in router
- Micro SD/SDHC card local video recording supported
- Cam Viewer 3 central management software supported

*Efficient Event Management*

The ICA-W8100 is designed with a built-in **Passive InfraRed (PIR)** motion detection sensor able to detect movement as far as 5 meters away. When people pass by or an emergency happens in the specified areas, the ICA-W8100 will “detect” and start recording automatically. Furthermore, it provides an additional function of alarm notification that can send the captured images to the micro SD/SDHC card slot for local storage.



*Enhanced Video Quality and 2-Way Audio Support*

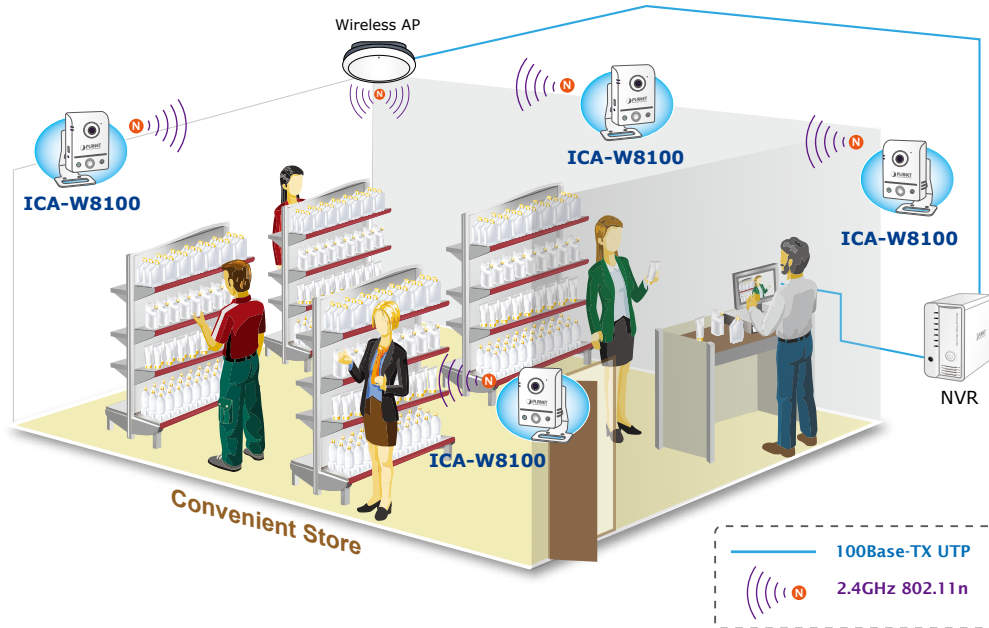
The ICA-W8100 provides the industry a more comprehensive set of performance enhancing features including Auto Electronic Shutter (AES) and Auto White Balance (AWB). Besides, the ICA-W8100 supports 2-way audio to strengthen the event management capabilities.

## Two-Way Audio



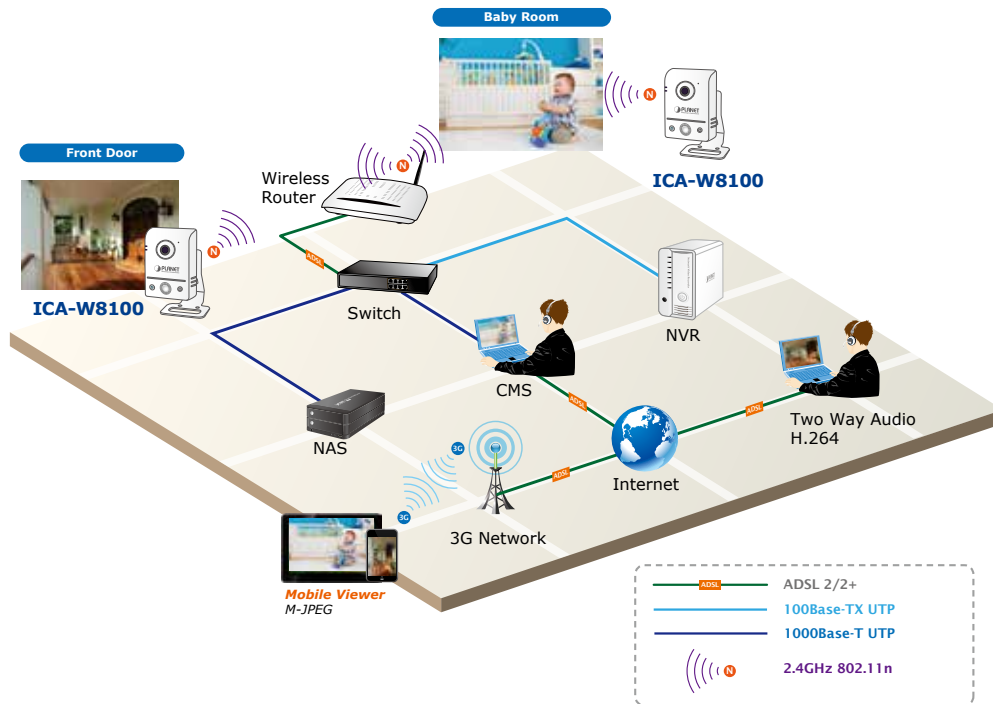
*High Quality Streaming via 11n Wireless Connectivity*

The ICA-W8100 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-W8100 is therefore interoperable with the third brand NVR 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-W8100 is indisputably the top choice for reliable and high performance surveillance.



## Applications

PLANET ICA-W8100 provides various surveillance applications to deliver clear images in a 180 degree panoramic view. Thus, the ICA-W8100 can identify all objects and people in a wide range, instead of narrow view, if installed above the front door. It is especially perfect for indoor surveillance in such places as homes, boutiques, department stores, restaurants, etc.



## Specifications

Product	Wireless Cube Fisheye IP Camera
Product	ICA-W8100
<b>Camera</b>	
Image Device	1/4" progressive 1.3 mega-pixel scan CMOS sensor
Lens	Fish-Eye Lens, 185.5/145/≥200° (H/V/D), F= 2.0, f=0.89 mm
Min. Illumination	0.5 lux @ F2
Effective Pixels	1280 x 720 pixels (16:9)
PIR Sensor	1 x Built-in sensor with adjustable 70 degrees direction Effective Distance: 5 meters Effective Coverage: 70 degrees
<b>Video</b>	
Video Encoder	H.264 / MPEG-4 / M-JPEG
Video Resolution	H.264: 1280 x 720 / 640 x 360 / 320 x 180 MPEG4: 1280 x 720 / 640 x 360 / 320 x 180 M-JPEG: 1280 x 720 / 640 x 360 / 320 x 180
Frame Rate	Up to 30fps for all resolutions
Image Setting	AE, AWB, Brightness, Saturation, Contrast, Mirror/Rotate, Color/BW
Streaming	Simultaneously multi-profile 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)
Rate Control	CBR (Constant Bit Rate) VBR (Variable Bit Rate)
UI Layout	180° Single Broad View (1P) 2 PTZ Mode (2R) 180° Broad View + 2 PTZ Mode (1P2R)
<b>Audio</b>	
Audio Streaming	2-way Audio
Audio Compression	RTSP: G.711 64kbps
Microphone	Built-in Microphone
Audio Output	Line Out for extra speaker

Network and Configuration	
Network Standard	IEEE 802.3 10Base-T IEEE 802.3u 100Base-TX IEEE 802.11b/g/n
Network Protocols	IPv4, TCP/IP, UDP, HTTP, HTTPS, SMTP, FTP, NTP, DNS, DDNS, DHCP, ARP, Bonjour, UPnP, RTSP, RTP, RTCP, IGMP, PPPoE, 3GPP, ICMP, Samba
Antenna	Internal 3dBi x 1
Frequency	2.4GHz
RF Transmission Power	OFDM: 13dBm CCK: 17dBm
Output Power	802.11n: 13dBm(default) +/- 1dBm 802.11g: 13dBm(default) +/- 1dBm 802.11b: 17dBm(default) +/- 1dBm
Receiver Sensitivity	802.11b (11Mbps): CCK @ 8% PER = -88dBm 802.11g (54Mbps): OFDM @ 10% PER = -72dBm 802.11n Draft 6.0: HT20 @ 10% PER = -66 dBm HT40@ 10% PER= -61dBm
Data Rate	802.11b: 1, 2, 5.5, 11Mbps 802.11g: 6, 9, 12, 18, 24, 36, 48, 54Mbps 802.11n: up to 150Mbps
Security	Password protection / WEP and WPA Encryption
Users	Depends on streaming data rate used
System Integration	
Application Programming Interface	Open API for software integration SDK
Alarm Triggers	Intelligent video motion detection and PIR sensor
Alarm Events	File upload via FTP, e-mail or Micro SD/SDHC card Notification via e-mail, Mobile APP, and HTTP
Environment	
Power Requirement	5V DC, 2A
Power Consumption	6W (5VDC)
Operating Temperature	0 ~ 45 degrees C
Operating Humidity	20 ~ 80% (non-condensing)
Weight	134g
Dimensions (W x D x H)	70 x 39 x 99 mm
Emission	CE, FCC
Connectors	10/100 Mbps Ethernet, RJ-45 DC power jack Audio out Micro SD/SDHC card (Max 32GB, Class 6) WPS Button Factory default reset button

## Ordering Information

ICA-W8100	Wireless Cube Fish-Eye IP Camera
ICA-W8100-CLD	Wireless Fish-Eye Cloud IP Camera

## Related Products

ICA-HM101	2 Mega-Pixel PoE Cube IP Camera
ICA-HM101W	2 Mega-Pixel Wireless Cube IP Camera
ICA-1200	Full HD PoE Cube IP Camera
ICA-W1200	Full HD Wireless Cube IP Camera
ICA-HM830W	2 Mega-Pixel Wireless Fisheye IP Camera
ICA-8350	3 Mega-Pixel Vandal Proof Fish-Eye IP Camera
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-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

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ICA-W8100