

# Wireless Fish-Eye Cloud IP Camera



## Monitor your home via Cloud IP Camera

PLANET ICA-W8100-CLD is different from other webcams in that our cloud camera can work without the need to be connected to PC. To view non-cloud camera video remotely, users need to perform many complicated and time consuming steps such as signing up for a third party dynamic IP service and reconfiguring their router. With the free App downloaded for your smart phone, you can quickly and easily view anywhere your camera feed via the ICA-W8100-CLD wirelessly.



## Compact Wireless Panoramic Camera for Wide View Surveillance

PLANET ICA-W8100-CLD is a compact cube camera providing 180 degree panoramic wide angle view, especially designed for indoor surveillance. Incorporating 1.3MP-resolution sensors, it supports H.264, MPEG-4, and 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.

### Camera

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

### Video / Audio

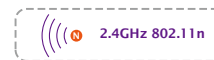
- H.264, MPEG-4 and M-JPEG video compression simultaneously
- Simultaneous multi-H.264 streams support
- 2-way audio support with enhanced audio quality

### 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

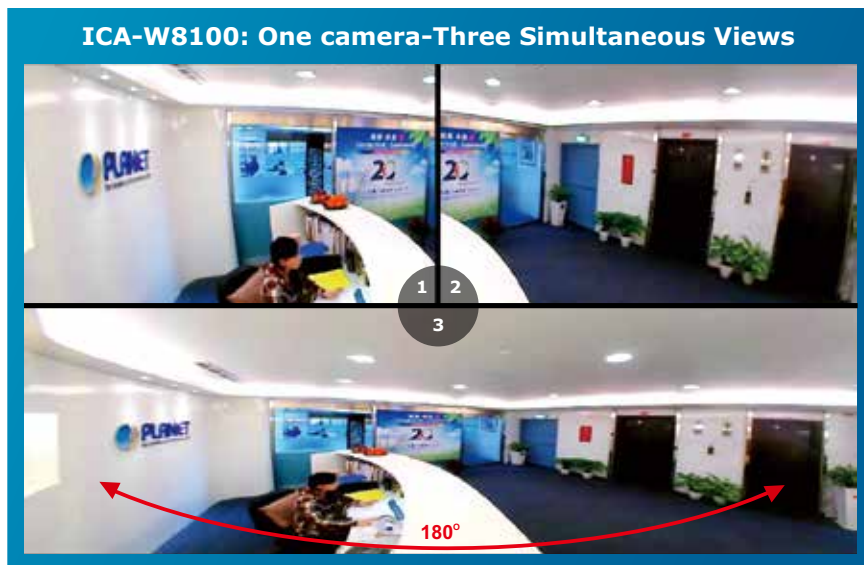
### Easy Installation & Management

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



*Wider Monitoring with 180° Panoramic View*

The ICA-W8100-CLD 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 and with the ICA-W8100-CLD, you can watch live view and utilize functions such as motion detection through the Web interface via an internet browser.



*Efficient Event Management*

The ICA-W8100-CLD 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-CLD will “detect” and start recording automatically. It provides an additional function of alarm notification that can send the captured images via the micro SD/SDHC card slot for local storage.



*Enhanced Video Quality & 2-way Audio Support*

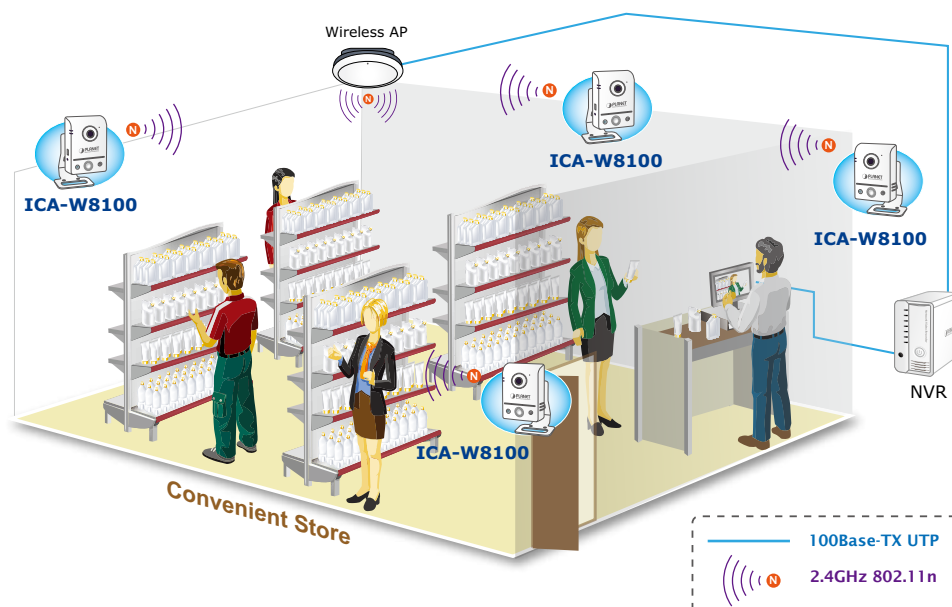
The ICA-W8100-CLD provides the industry a more comprehensive set of performance enhancing features including Auto Electronic Shutter (AES) and Auto White Balance (AWB). Besides, the ICA-W8100-CLD supports 2-way audio to strengthen the event management capabilities.

**Two-way Audio**



*High Quality Streaming via 11n Wireless Connectivity*

The ICA-W8100-CLD 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-CLD 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-CLD is indisputably the top choice for reliable and high performance surveillance.



## Applications

*Access Anywhere - Cloud Services makes it easy*

To make home monitoring a truly simple experience, we have created CloudLync to enable you access live video feeds of your home or office from any Internet-connected computer, iPhone®, iPad®, or Android® device anytime, anywhere. The Cloud Cameras can be viewed and managed on your personal account via CloudLync to enable you to enjoy the freedom of remote monitoring on your terms.



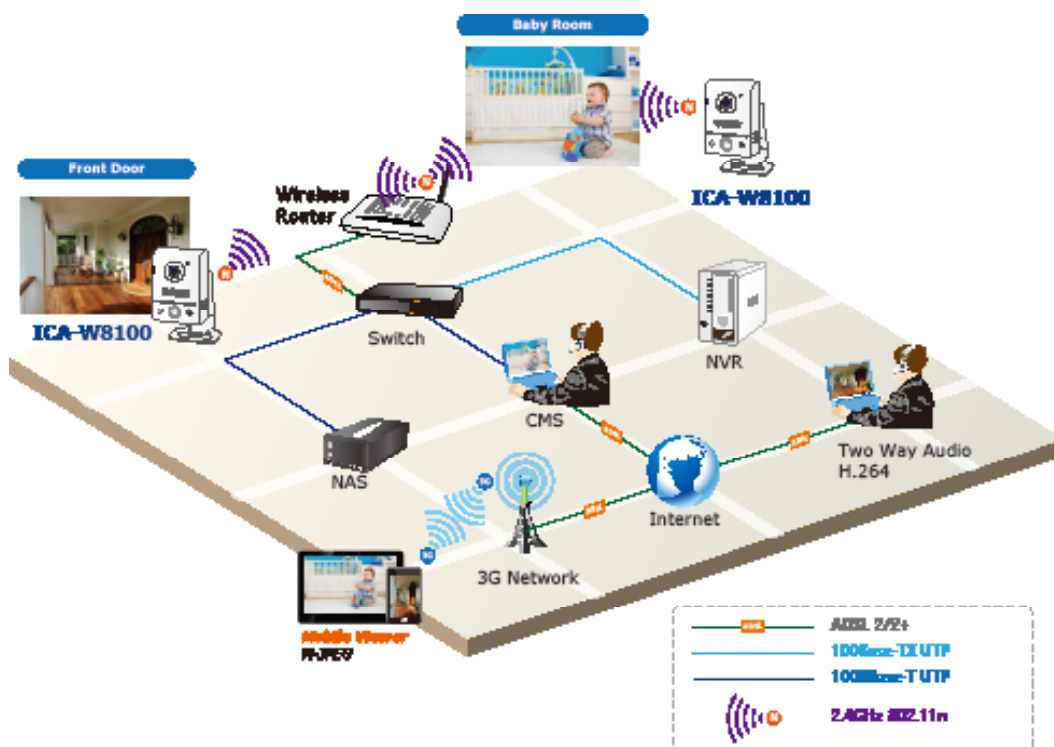
*Access Anywhere with CloudLync*

With the CloudLync App for iPhone and Android, you can quickly and easily see your camera feed from anywhere with a Wi-Fi, 3G or 4G connection. No more guessing what's going on at your house while you're away.



*Providing various surveillance applications*

PLANET ICA-W8100 provides various surveillance applications to deliver clear images in a 180 degree panoramic view. Thus, the ICA-W8100-CLD 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	ICA-W8100-CLD
<b>Camera</b>	
Image Device	1/4" 1.3 mega-pixel progressive 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 @ F2.0
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 degrees Single Broad View (1P) 2 PTZ Mode (2R) 180 degrees 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
<b>Network and Configuration</b>	
Network Standard	IEEE 802.3 10Base-T IEEE 802.3u 100Base-TX IEEE 802.11b/g/n
Network Protocol	IPv4, TCP/IP, UDP, HTTP, HTTPS, SMTP, FTP, NTP, DNS, DDNS, DHCP, ARP, Bonjour, UPnP, RTSP, RTP, RTCP, IGMP, PPPoE, 3GPP, ICMP, Samba
Antenna Connector	1 x 3dBi (Max)
Frequency	2.4GHz
RF Transmission Power	OFDM: 13 dBm CCK: 17 dBm
Output Power	802.11b: 17dBm (default) +/- 1dBm 802.11g: 13dBm (default) +/- 1dBm 802.11n: 13dBm (default) +/- 1dBm
Receiver 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
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	Depending on streaming data rate used
<b>System Integration</b>	
Application Programming Interface	Open API for software integration ONVIF
Alarm Triggers	Intelligent video motion detection and PIR sensor
Alarm Events	File upload via FTP, e-mail or micro SD card Notification via e-mail, mobile APP, and HTTP

Environment	
Power Requirements	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-CLD	Wireless Fish-Eye Cloud IP Camera
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## Related Products

ICA-W8100	Wireless Cube Fish-Eye IP Camera
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-1200W	Full HD Wireless Cube IP Camera
ICA-HM830W	2 Mega-pixel Wireless Fisheye IP Camera
ICA-8350	3 Mega-pixel Vandalproof 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