

# 2 Mega-Pixel 11n Outdoor IR IP Camera



## Professional Outdoor Wireless Surveillance with Superb UXGA Quality

The PLANET ICA-HM316W Network Camera with IR Illuminator is a high resolution camera for round-the-clock surveillance over IP networks. It supports H.264, MPEG-4, and JPEG compression formats and delivers excellent picture quality in 2 Mega-Pixel resolutions at 15 frames per second (fps). Compliant with IEEE 802.11b/g/n, the ICA-HM316W enables users to access to Internet through up to 150Mbps high speed and secure Wireless transmission with WEP / WPA encryptions. The IP66-rated housing protects the ICA-HM316W against rain and dust and ensures stable operation under extreme weather conditions. The ICA-HM316W is an ideal solution for outdoor surveillance applications such as buildings, roads, parking areas, garages, railway stations and airports.



## Day & Night Functionality

To adapt to constantly changing lighting conditions, the ICA-HM316W comes with a removable IR-Cut filter and built-in IR illuminators, which enables the camera to provide color video when there is sufficient light, and black/white video in dark conditions. The ICA-HM316W is able to maintain clear images 24 hours a day.

## Camera

- 1/3.2" 2MP progressive scan CMOS sensor
- 3.6~16 mm Vari-focal, DC Auto-Iris Lens
- 0 lux Minimum Illumination at F1.2
- Maximum resolution 1600 x 1200
- Removable IR-Cut Filter for Day & Night Function

## Video / Audio

- H.264, MPEG-4 and M-JPEG video compression simultaneously
- Simultaneous multi-stream support
- Up to 30fps for 1280 x 720 resolutions and 15fps for 1600 x 1200 resolutions
- 2-Way audio support with enhanced audio quality

## Network and Configuration

- Complies IEEE 802.11b/g/n wireless standard with WEP and WPA encryption
- Auto MDI/MDI-X supported
- RTSP / UPnP / 3GPP / HTTPS protocols selectable

## Easy Installation & Management

- ONVIF compliant for interoperability
- Built-in 35 IR Illuminators, effective up to 25 meters
- IP66 outdoor classifications for stable operation under rigorous environment
- Built-in Samba client for NAS
- 3GPP for 3G mobile remote applications
- Digital Input/Output for integration with sensors and alarms
- Cam Viewer 3 Central management software supported



**Exceptional Image Quality with Vari-Focal Lens**

With 3.6~16mm Vari-Focal lens, the ICA-HM316W meets various demands of installation. For instance, traffic monitoring either on more than two lanes or just focus on one specified lane, It brings an extremely clear and exquisite picture quality.

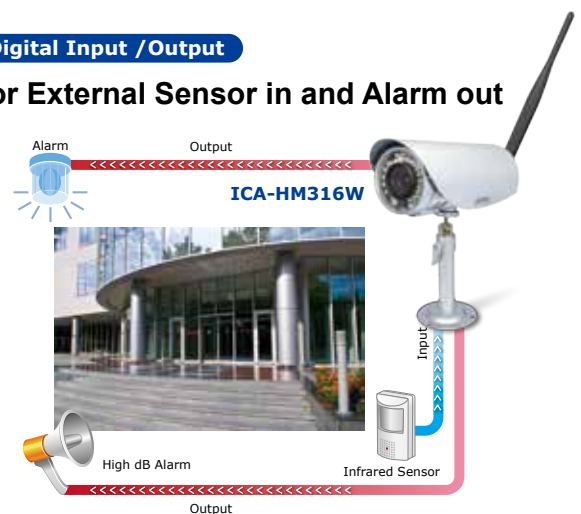


**Advanced Event Management**

To enhance surveillance flexibility and event management capabilities, the ICA-HM316W supports a number of advanced features including Auto-Iris to avoid over exposure, AV out to perform the two-way audio function and inputs/outputs to connect with external devices such as door sensors and relays to activate light or close doors.

**Digital Input /Output**

**For External Sensor in and Alarm out**



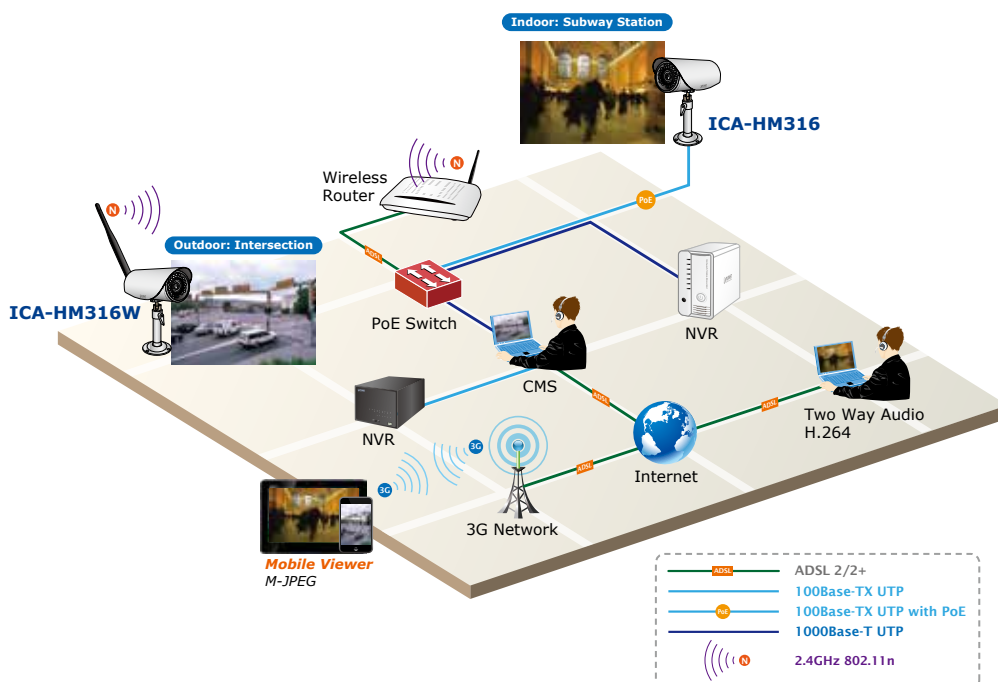
*Flexible installation and Power functionality*

The ICA-HM316W is ONVIF compliant and therefore interoperable with other manufacturer's products. It also includes 64-CH central management software for ease of maintenance and remote monitoring. The ICA-HM316W is indisputably the top choice for reliable and high performance outdoor surveillance. The IP66-rated housing protects the ICA-HM316W against rain and dust and ensures stable operation under extreme weather conditions. The ICA-HM316W is an ideal solution for both indoor and outdoor surveillance applications such as buildings, hospital, bank, hotel lobby, garages, hallway, stores and offices.



## Application

PLANET ICA-HM316W is providing various surveillance applications via wireless technology. It captures clear images and is perfect for identifying objects and persons.



## Specification

Model	ICA-HM316W
<b>Camera</b>	
Image Device	1/3.2" 2 Mega-Pixel progressive scan CMOS sensor
Lens	Vari-Focal 3.6~16 mm, DC Auto-Iris Mechanical IR Cut Filter Angle of view : horizontal: 20.8 ~ 75.4 Degree / vertical: 15.7 ~ 54.9 Degree
Min Illuminator	0 lux @ F1.2
IR Illumination LED	IR LED*35, 850nm Built-in IR illuminators, effective up to 25 meter
Effective Pixels	1600 x 1200 pixels
<b>Image</b>	
Video Encoder	H.264 / MPEG-4 / M-JPEG
Video Profile	H.264: UXGA / 720P / SXGA / VGA / QVGA / QCIF M-JPEG: UXGA / 720P / SXGA / VGA / QVGA MPEG-4: QCIF (Only for 3GPP)
Frame Rate	UXGA Up to 15fps SXGA Up to 22fps HD-720P / SVGA / VGA / QVGA / QCIF Up to 30fps
Image Setting	Brightness, sharpness, contrast, AGC, Night Mode Text, time and date overlay
Streaming	Simultaneously multi-profile streaming M-JPEG streaming over HTTP Supports 3GPP mobile surveillance Controllable frame rate and bandwidth Constant and variable bit rate (MPEG-4 / H.264)
<b>Audio</b>	
Audio Streaming	2-Way Audio
Audio Encoder	RTSP: G.711 3GPP: AMR
Microphone	External microphone input
Audio Output	Phone Jack
<b>Network and Configuration</b>	
Network Standard	IEEE 802.3 10Base-T IEEE 802.3u 100Base-TX IEEE 802.11b/g/n
Antenna connector	5dBi Dipole Antenna
Frequency	2.4GHz ~ 2.4835GHz
RF Transmit Power	OFDM: 14 dBm CCK: 17 dBm
Receiver Sensitivity	<b>802.11b:</b> - 1M: -90 dBm - 11M: -85 dBm <b>802.11g:</b> - 6M: -87 dBm - 54M: -70 dBm <b>802.11n (BW20):</b> - MCS0: -85 dBm - MCS7: -67 dBm <b>802.11n (BW40):</b> - MCS0: -84 dBm - MCS7: -64 dBm
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 IEEE 802.11n Standard Data Rates: Legacy and High Throughput Modes, supports 20 / 40MHz Bandwidth MCS0~7 (150Mbps PHY Rate)
Supported Protocols	IPv4, TCP, UDP, HTTP, SMTP, FTP, NTP, DNS, DDNS, DHCP, UPnP, RTSP, RTP, RTCP, PPPoE, 3GPP, ICMP
Security	Password protection, user access log WEP 64/128, WPA, WPA2, TKIP, AES
Users	10 simultaneous unicast users

System Integration	
Application Programming Interface	Fixed IP, DHCP, PPPoE
Alarm Triggers	Intelligent video motion detection and external input 3-zone video motion detection
Alarm Events	File upload via FTP, email and SAMBA External output activation Configurable Pre/Post alarm buffering
General	
Power Supply	12V DC, 1A
Power Consumption	Max. 6.24W while IR LED ON Max. 4.44W while IR LED OFF
Housing	Weather-proof IP66-rated housing
Operating Temperature	-20 ~ 50 Degree C
Operating Humidity	20 ~ 80% (non-condensing)
Weight	850g
Dimension (Φ x L)	83 x 180 mm
Emission	CE, FCC
Connectors	10/100Mbps Ethernet, RJ-45 DC power jack Terminal block for 1 alarm input, 1 output and factory default reset External MIC input Audio out Composited video out (Max. resolution: D1 720 x 480 pixel) RP-SMA Type

## Ordering Information

ICA-HM316W	2 Mega-Pixel 11n Outdoor IR IP Camera
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## Related Products

ICA-HM316	2 Mega-Pixel Outdoor IR PoE IP Camera
ICA-3250V	Full HD Outdoor IR PoE 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-401	4-CH Network Video Recorder
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
WL-SMA-0.6	0.6M RP-SMA(M) to N(M) Cable
ANT-OM8	8dBi Omni Directional Antenna
ANT-YG13	13dBi Yagi Directional Antenna

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