2 Mega-Pixel Outdoor IR PoE IP Camera

Professional Outdoor Surveillance with Superb UXGA Quality

The PLANET ICA-HM316 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). The IP66-rated housing protects the ICA-HM316 against rain and dust and ensures stable operation under extreme weather conditions. The ICA-HM316 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-HM316 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 ICAHM316 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

- Compliant with IEEE 802.3af PoE interface for flexible deployment
- 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

Day & Night

Exceptional Image quality with Vari-Focal Lens

With 3.6~16mm Vari-focal lens, the ICA-HM316 meets various demands of installation. For instance, traffic monitoring either on more than two lanes or just focus on one specific lane, it brings an extremely clear and exquisite picture quality.

Advanced Event Management

To enhance surveillance flexibility and event management capabilities, the ICA-HM316 supports a number of advanced features including Auto-Iris to avoid over exposure, AV out to perform 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

Alarm   Output
ICA-HM316
Input
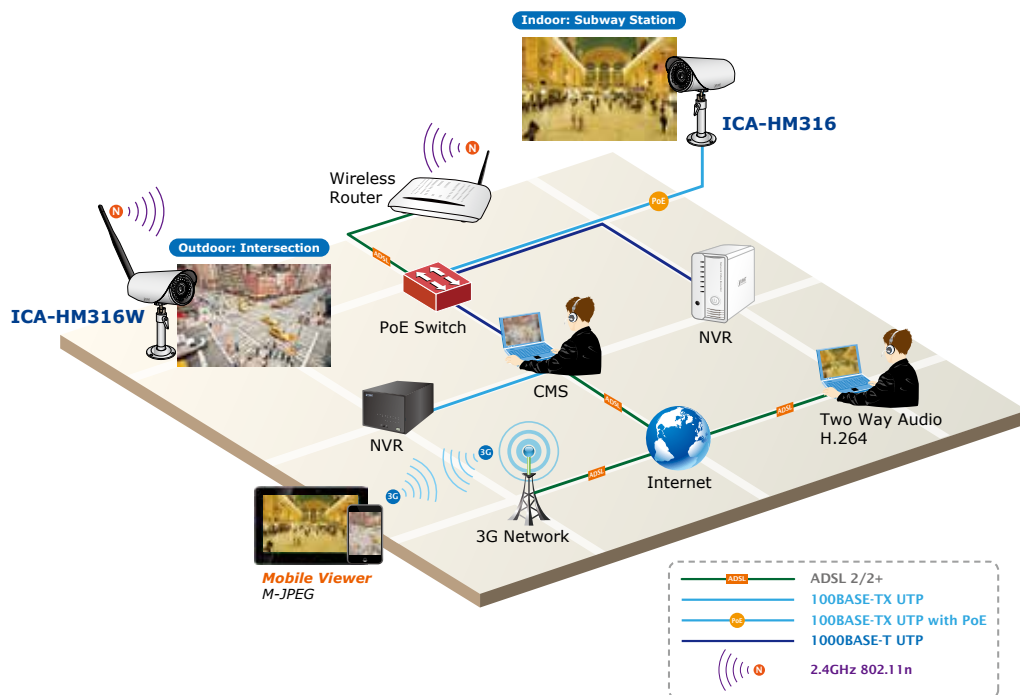High dB Alarm   Infrared Sensor
Output

Flexible Installation and Power functionality

The ICA-HM316 incorporates IEEE 802.3af Power over Ethernet standard and able to be powered via the network cable from a PoE power sourcing equipment such as PoE Switch and PoE injector. It thus eliminates the need of extra power cables and reduces installation costs while increases the deployment flexibility. The ICA-HM316 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-HM316 is indisputably the top choice for reliable and high performance surveillance. The IP66-rated housing protects the ICA-HM316 against rain and dust and ensures stable operation under extreme weather conditions. The ICA-HM316 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-HM316 is suitable to be applied in various surveillance applications. With high resolution design, it can capture clear images and is perfect for identifying objects and persons. Moreover, the ICA-HM316 supports 802.3af PoE interface to facilitate the outdoor surveillance without worrying the electric source.

Specification

Model	ICA-HM316
Camera	
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
Image	
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)
Audio	
Audio Streaming	2-Way Audio
Audio Encoder	RTSP: G.711 3GPP: AMR
Microphone	External microphone input
Audio Output	Phone Jack
Network and Configuration	
Network Standard	IEEE 802.3 10Base-T IEEE 802.3u 100Base-TX
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
Users	10 simultaneous unicast users
System Integration	
Application Programming Interface	Open API for software integration SDK
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 IEEE 802.3af Class 0
Power Consumption	Max. 10.8W while IR LED ON Max. 7.7W 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)

Ordering Information

ICA-HM316	2 Mega-Pixel Outdoor IR PoE IP Camera

Related Products

ICA-HM316W	2 Mega-Pixel 11n Outdoor IR 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
FGSW-2620PVM	24-Port 10/100Mbps + 2- Gigabit TP/SFP Managed PoE Switch
FSD-804PS	8-Port 10/100Mbps with 4-Port PoE Web Smart Ethernet Switch

ICA-HM316v2