

2Mega-Pixel 11n Outdoor IR IP Camera



The ICA-HM316W, a 2Mega-Pixel 11n Outdoor IR IP Camera, is designed to fulfill the demands of high performance surveillance environments. The ICA-HM316W supports the highest video compression – H.264, which provides small video size and saves you lots of bandwidth usage. The new video compression is the best solution for Internet video transmission.

Multiple Profile

The Multi-profile function enables the ICA-HM316W to generate H.264 / MPEG-4 / M-JPEG streaming simultaneously to differentiate users in different resolutions. This state-of-the-art design is considerable to fit in various network environments.

High performance 802.11b/g/n connectivity

The ICA-HM316W provides 2-Way audio function for surveillance. It can remotely talk to anyone at the ICA-HM316W site with additional speaker connected to the camera. The ICA-HM316W also brings users secured wireless transmission up to 150Mbps through the IEEE 802.11b/g/n wireless technology and WEP / WPA encryptions.

Solid design for all environment

The ICA-HM316W features zero-lux illumination. The 35 IR illuminators built around the lens bring the clearest vision at night. Via the new LED technology, the illuminator ensures high-quality monochrome images in complete darkness up to 25 meters. With the Aluminum rugged all-weather waterproof housing, the ICA-HM316W infrared Internet camera performs reliable operation in any environment. It can work with the PLANET Cam Viewer 3 Lite/Pro Management software and Network Video Recorder products for various field demands in surveillance network.

KEY FEATURES

- 2Mega-Pixel COMS Sensor with Vari-Focal Lens in 25 meters IR distance
- IR-Cut filter brings better video quality in the daytime and nighttime
- H.264, MPEG-4 and M-JPEG video compression
- IEEE 802.11b/g/n wireless LAN with WEP and WPA encryption
- IP-66 protection for outdoor application
- Motion Detection feature can monitor any suspicious movement in specific area
- 2-Way audio supported with external speaker and microphone
- DDNS, PPPoE and FTP upload supports more alternatives in surveillance network
- Easy configuration and management via Windows-Based utility or web interface
- Supports 3GPP and JAVA for iPhone and Windows mobile for remote view

APPLICATIONS

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



SPECIFICATION

Product	2Mega-Pixel 11n Outdoor IR IP Camera
Model	ICA-HM316W
Camera Specification	
Image Device	1/3.2" 2Mega-Pixel CMOS Sensor
Effective Pixels	1600 x 1200 pixels
Sensitivity	0.5lux
Lens	3.6 ~ 16mm Vari-Focal lens with auto iris and IR cut filter/ F1.2
Illuminator	0 Lux IR on
View Angle	H: 20.8~75.4 Degree V: 15.7~54.9 Degree
Video Specification	
Video Encoder	H.264, MPEG4 and Motion JPEG simultaneously (Tri-encoders)
Video Profile	12 profiles simultaneously - H.264 UXGA / 720p / SXGA/ VGA / QVGA / QCIF - M-JPEG UXGA / 720p / SXGA/ VGA / QVGA - MPEG4 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, BLC, 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 (MPEG4 / H.264)
Audio Specification	
Audio Encoder	RTSP:G.711 3GPP:AMR
Audio Streaming	One-Way or Two-Way
Microphone	External microphone input
Audio Output	Phone Jack
Network Specification	
Network Standard	IEEE 802.3, IEEE 802.3u IEEE 802.11b/g/n
Supported Protocols	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
Ethernet	10/100M auto negotiation
Antenna connector	2d Dipole Antenna
Frequency	2.4GHz ~ 2.4835GHz
RF Transmit Power	OFDM: 14 dBm CCK: 17 dBm
Receiver Sensitivity	11b→1M: -90 11M: -85 11g→6M: -87 54M: -70 11n (BW20)→MCS0: -85 MCS7: -67 11n (BW40)→MCS0: -84 MCS7: -64
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 Rate)
Security	WEP 64/128, WPA, WPA2, TKIP, AES
System Integration	
Application Programming Interface	Open API for software integration SDK
Alarm Triggers	Intelligent video motion detection and external input
Motion Detection	3-zone video motion detection
Alarm Events	File upload via FTP, email and SAMBA External output activation
Video Buffer	Pre- 5 sec. and post- 10 sec. alarm buffering

General	
Power Supply	12V DC external power adapter
Connectors	RJ-45 10BaseT/100BaseTX
	DC jack 1 x RP-SMA
Illumination LED	IR LEDs
IR LED	Infrared LED x35pcs
IR Wavelength	850nm
IR Distance	25M
Power Consumption	IR on: 6.24W
	IR off: 4.44W
Protection Class	IP-66 classification
Operating Temperature	-20 ~ 50 Degree C
Viewing System	
OS	Windows® XP, Vista 32bit, Win7 32bit, Server 2003
Browser	IE 6.0 or latter
Cell Phone	With 3GPP player
Video Player	VLC, Quick Time, Real Player
Software	
Monitor/ Recording / Management	PLANET CV3P (4-ch Cam Viewer 3 Pro Trail Version) PLANET CV3L (64-ch Cam Viewer 3 Lite Bundle Version)
Search & Installation	PLANET IP Installer

ORDERING INFORMATION

ICA-HM316W	2Mega-Pixel 11n Outdoor IR IP Camera
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RELATED PRODUCTS

WL-SMA-0.6	0.6M R-SMA(F) to N(M) cable
ANT-OM8	8dBi Omni-directional Antenna
ANT-YG13	13dBi Yagi Directional Antenna
NVR-810	8-Ch Network Video Recorder
NVR-1610	16-Ch Network Video Recorder
Professional / Central Management Software	
CV3P-4/8/16/32/64	4 ~ 64 Channel Cam Viewer 3 Professional Version