

3 Mega-Pixel Wireless IR PT IP Camera



The PLANET ICA-HM227W -- 3 Mega-Pixel IR IP camera delivers high quality image at maximum 2048 x 1536 resolutions. It provides the full Pan / Tilt function and 10X digital zoom features for a larger room of monitoring. It is perfect for remote and discreet monitoring of indoor areas such as stores, banks, hotels, office lobbies, and warehouses.

Multi Profiles Streaming

The Multi-Profile Streaming function supported enables the ICA-HM227W to generate H.264 / MPEG-4 / M-JPEG streaming simultaneously to differentiate users in different resolutions and frame rates. This state-of-the-art design is considerable to fit in various network environments.

Day & Night Operations

The 9 IR illuminators infrared LED built around the lens bring the clearest vision at night. The ICA-HM227W could work in a dark area and auto activate when the environment is getting dark. It offers high-quality pictures both in the day and night with the built-in CMOS sensor supporting up to 10 meters monitoring.

All-round Monitoring

The ICA-HM227W Pan/Tilt IP camera offers pan range of 350 degree and tilt range of 120 degree controllable over TCP/IP network. It is very convenient to install the ICA-HM227W whether it is mounting on the ceiling, wall or table.

Wireless Feature

The ICA-HM227W is compliant with the latest wireless interface IEEE 802.11n and backward compatible with IEEE 802.11b/g. It provides WEP / WPA / WPA2 data encryptions to bring ultimate data security level and supports WPS function to help users connect with their AP in a minute. No any settings is required, users just push the WPS button on both devices and the wireless connection will be created automatically.

ONVIF Certified & Professional Software

The ICA-HM227W follows the ONVIF v1.01 and v1.02 standard SDK for users to integrate with PLANET and the 3rd party software. It can work with the PLANET Cam Viewer 3 Lite / Pro Management software and Network Video Recorder products for video surveillance application and provides monitoring, recording and event management functions to secure your property and life.

KEY FEATURES

VIDEO & AUDIO

- 1/2.5" Progressive CMOS
- H.264 / MPEG-4 / M-JPEG multiple video streams
- 3 Mega-Pixel (2048 x 1536), Full HD (1920 x 1080) Resolution
- 30 fps @ 1080P Full HD
- 2-Way Audio and 3GPP for real time surveillance communication

HARDWARE

- 1-Port 10/100Mbps Auto-Negotiation and Auto MDI/MDI-X
- 9 infrared LED support Night Vision at 10 meters
- Full Pan / Tilt Control
- Digital input / output interface for external alarm and sensor connection
- Audio input / output interface allows 2-Way audio communication in remote place
- Supports SD/SDHC card to locally save recording videos and images
- Attachable with 3dBi antenna

NETWORK FUNCTION

- IPv6 / ONVIF support
- Configuration and management via Windows-Based utility or web interface
- DDNS, PPPoE and FTP uploading support more alternatives in surveillance network
- Built-in Motion detection feature can monitor any suspicious movement in specific area
- Anti-flicker function eliminates flash caused by fluorescent lights, 50 / 60Hz selectable
- Sends captured picture and video by Email or FTP when motion is detected
- Built-in real-time clock, the date and time information will be recorded with every captured picture / video clip

WIRELESS FUNCTION

- Complies with IEEE 802.11b/g/n
- WEP / WPA / WPA2 Wireless data encryption
- Supports WPS function

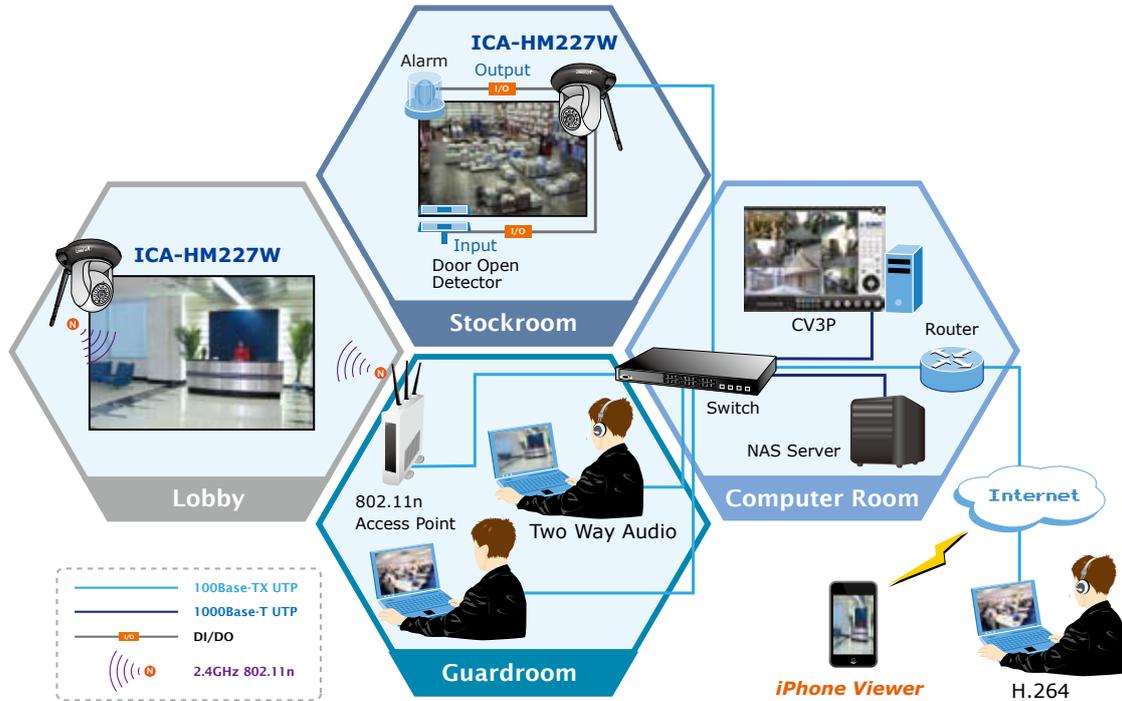
MANAGEMENT

- Manageable by PLANET IP Finder, CV3L and CV3P software

APPLICATIONS

Remote monitoring application

The ICA-HM227W is the perfect indoor surveillance device which has the full Pan / Tilt feature to reach the wide angle view without blind spot. The 3dbi high-power antenna and the wireless function also provides a cost-effective and high-performance network solution for Home and SOHO surveillance applications. Furthermore, the built-in 2-Way audio function and iPhone viewer enhance the real-time remote monitoring management.



SPECIFICATION

Product	3 Mega-Pixel Wireless IR PT IP Camera	
Model	ICA-HM227W	
Image Sensor		
Format	1/2.5" Progressive CMOS	
Effective Pixels	2592H x 1944V	
Lens		
Mount	Board	
Focal Length	6mm CS mount Lens	
F No.	F 2	
Format	1/2"	
Angle of View	H: 54 Degree V: 41 Degree	
Day / Night Function		
IR Distance	10 Meters	
IR LED / Wave Length	9pcs. LEDs / 850nm	
Low Lux	Color: 1 Lux B/W: 0 Lux @ IR LED on	
Audio / Video Specification		
Video Compression	H.264 / MPEG4 / M-JPEG	
High Resolution mode	H.264@QXGA/1080P	
	MJPEG@QXGA/1080P	
	MPEG4@1080P	
Video Resolution	Wired	QXGA (2048 x1536): 20 fps 1080P (1920 x 1080): 30 fps Quad-VGA (1280 x 960): 30 fps 720P (1280 x 720): 30 fps D1 (720 x 480): 30 fps VGA (640 x 480): 30 fps QVGA (320 x 240): 30 fps
	Wireless	QXGA (2048 x 1536) : 5 fps 1080P (1920 x 1080) : 15 fps 720P (1280 x 720) : 30 fps VGA (640 x 480) : 30 fps QVGA (320 x 240) : 30 fps
Multi-stream mode	H.264@720P/D1/VGA/QVGA MPEG4@720P/D1/VGA/QVGA MJPEG@720P/D1/VGA/QVGA	
Codec Quality Options	H.264: 5 Levels or Bit Rate MPEG4: 5 Levels or Bit Rate MJPEG: 5 Levels	
Network Interface		
Network Interface	1 x 10/100Base-TX / RJ45	
Network Standard	IEEE 802.3 / IEEE 802.3u	
Network Protocol	TCP/IP, IPv6, IPv4, UDP, ICMP, DHCP, NTP, DNS, DDNS, SMTP, FTP, HTTP, HTTPS, Samba, PPPoE, UPnP, Bonjour, RTP, RTSP, RTCP	
Wireless Network		
Wireless Standard	IEEE 802.11b / 802.11g / 802.11n	
Wireless Data Rate	802.11n (20MHz) : up to 72Mbps	
	802.11n (40MHz) : up to 150Mbps	
	802.11g: 6, 9, 12, 24, 36, 48, 54Mbps 802.11b: 1, 2, 5.5, 11Mbps	
Frequency	2.4GHz - 2.4835GHz	
Wireless Channels	America / FCC: 2.414~2.462GHz (11 Channels) Europe / ETSI: 2.412~2.472GHz (13 Channels) Japan / TELEC: 2.412~2.484GHz (14 Channels)	
RF Chain	1T1R mode	
RF Modulation	802.11n: OFDM with BPSK, QPSK, 16-QAM, 64QAM	
	802.11g: OFDM with BPSK, QPSK, 16-QAM, 64QAM	
	802.11b: DSSS with BPSK, QPSK, CCK	
Wireless Encryption	WEP 64/128-bit, WPA-PSK, WPA2-PSK, WPA2-TKIP/AES, WPS	
Operating Mode	Infrastructure, Ad-Hoc Mode	
Output Power	802.11n mode: 14dBm±1.5dBm	
	802.11g mode: 14dBm±1.5dBm	
	802.11b mode: 17dBm±1.5dBm	

Receiver Sensitivity	802.11n (40MHz): -61dBm 802.11n (20MHz): -66dBm 802.11g (54Mbps): -72dBm 802.11b (11Mbps): -88dBm
Wireless Operating Range	Open Space: 100 ~ 300m Indoor: 35 ~ 100m
Special Features	
Digital Zoom	10x
3GPP Supported	Yes
IP Filter	Yes
QoS	Yes
Time	Manual Time Setting, Time Server & NTP Support, Real Time Clock
Event Management	Events Triggered by Motion Detection or GPIO Image or Video Upload / Send over email, FTP, samba Recording Video file to SD Card by schedule
Hardware Section	
Angle of Pan	0~350 ± 5 Degree
Angle of Tilt	0~120 ± 5 Degree
Local Storage	SD / SDHC Slot, max. 32GB
Audio Support	2-Way
Alarm Input / output	2 x D/I, 1 x D/O
LED Indicators	Power & Ethernet (1 x Power ,1 x Network Active)
Reset / WPS	1 x Push button
Power Supply	DC12V / 2A
Antenna Type	1 x 3 dBi (Max) Dual detachable diversity antenna
Antenna Connector	Reversed Polarity SMA Male
Environment	
Dimension (W x D x H)	116 x 108 x 122 mm
Operating Temperature	0 ~ 50 Degree C
Operating Humidity	20 ~ 85% RH
Viewing System	
OS	Windows® XP, 2000 / 2003 / 2008 server, Vista, Win 7
Browser	IE 6.0 or latter
Search & Installation	PLANET IPFinder
Monitor / Recording / Management	PLANET CV3P (4-Ch Cam Viewer 3 Pro Trial Version) PLANET CV3L (64-Ch Cam Viewer 3 Lite Bundle Version) iCV3s (for Apple Mobile Device use)

ORDERING INFORMATION

ICA-HM227W	3 Mega-Pixel Wireless IR PT IP Camera
------------	---------------------------------------

RELATED PRODUCTS

ICA-HM220W	802.11n Mega-Pixel CMOS PT IP Camera
ICA-HM127	3 Mega-Pixel H.264 Box IP CAM
ICA-HM317	3 Mega-Pixel 25M IR Outdoor Bullet PoE IP Camera
NVR-401	4-Ch Network Video Recorder
NVR-810	8-Ch Network Video Recorder
NVR-1610	16-Ch Network Video Recorder
NVR-3210	32-Ch Network Video Recorder
WNAP-C3220	802.11n Wireless Ceiling Mount Access Point
WNAP-3000PE	802.11n Enterprise PoE Access Point
WNRT-617	150Mbps 802.11n Wireless Broadband Router
Professional / Central Management Software	
CV3P-4I8I16I36I64	4 ~ 64 Ch Cam Viewer 3 Professional Version