

Wireless Mega-Pixel CMOS PT IP Camera



The PLANET ICA-M220W, built-in high performance 1.3Mega-Pixel CMOS sensor delivers MPEG-4 and M-JPEG dual codec video compression with high quality image at maximum 1280x1024 resolutions. This state-of-the-art design is considerably able to fit in various network environments. The ICA-M220W allows up to 16 users to access simultaneously.

Motorized Pan/Tilt structure in the ICA-M220W offers a wide pan range of 350-degrees and tilt range of 120-degrees to be controlled over TCP/IP networks. It also allows the administrator to remotely speak to anyone at camera site when adding a speaker on ICA-M220W.

The ICA-M220W is compliant with the latest wireless interface IEEE 802.11n and also backward compatible with IEEE802.11b/g. It provides data encryption (WEP / WPA / WPA2) to bring ultimate data security level and is WPS function supported to help users to connect their AP which supports WPS function. No any settings required, user just pushes the WPS button on both devices, and the wireless connection will be created automatically.

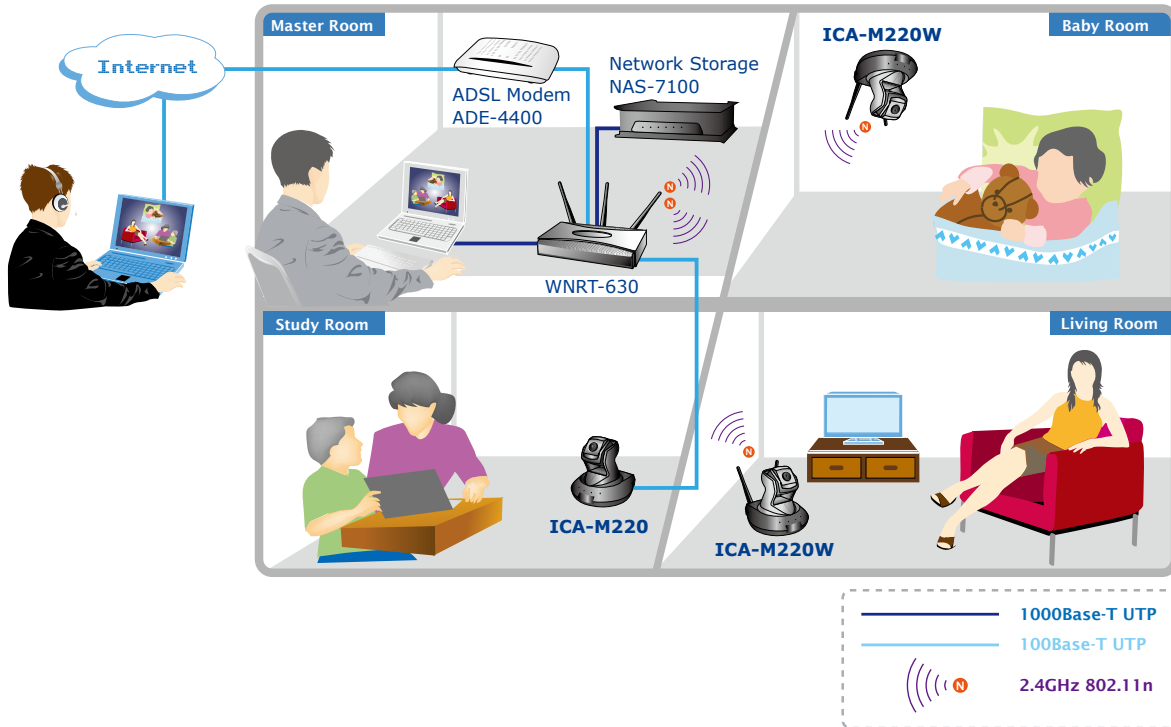
The professional management software, PLANET Cam Viewer, is a multi-camera video surveillance application which can handle ICA-M220W to provide monitoring, recording and event management functions. It enables you to setup a comprehensive and effective surveillance system quickly and easily, providing a real professional security environment to protect your property and life.

KEY FEATURES

- 1.3Mega-Pixel CMOS sensor built-in
- Offers pan range of 350-degrees and tilt range of 120-degrees to control over network
- 2-Way audio with built-in microphone and additional external speaker
- Plug-N-Watch is able to simplify system integration in existing network environment
- Easy configuration: Network administrators can configure and manage via Windows-based utility or web interface
- DDNS, PPPoE and FTP uploading supports more alternatives in surveillance network
- Motion Detection: the motion detection feature can monitor any suspicious movement in specific area
- Supports 3 video resolutions: MPEG-4:
XGA (1024 x 768), VGA (640 x 480), and QVGA (320 x 240)
M-JPEG: SXGA (1280 x 1024), VGA (640 x 480), and QVGA (320 x 240)
- Anti-flicker function, eliminates flash caused by fluorescent lights, 50 / 60Hz selectable
- Supports UPnP, Windows XP (and above), automatically detects the IP camera in network neighborhood
- Sends captured picture and video by Email or FTP when motion is detected
- Built-in real-time clock, date and time information will be recorded with every captured picture / video clip
- Supports up to 16 users with different passwords for each user
- WEP / WPA / WPA2 Wireless data encryption
- Supports WPS function
- Supports SD card to save local recording video and image
- Cam Viewer - Central management software supported

APPLICATIONS

Remote monitoring application (Home)



Remote monitoring application (Office)



SPECIFICATION

Product	Wireless Mega-Pixel CMOS PT IP Camera
Model	ICA-M220W
Video Specification	
Image Sensor	1.3Mega-Pixel 1/4" color CMOS sensor
Lens	4.8 mm, F1.8
Scan Method	Progressive
Sensibility	1 Lux
Signal to Noise	More than 50 dB
Video Encoder	MPEG-4 and M-JPEG dual codec
Video Resolution	30fps @ 640 x 480, 320 x 240, 160 x 120
	15fps @ 1024 x 768 (MPEG-4)
	15fps @ 1280 x 1024 (M-JPEG)
Image Control	AGC, AWB, AES
Color	Digital 24bit
View Angle	Horizontal: 36 Degree / Vertical: 28 Degree
P/T Range	Pan: 350 degree
	Tilt: 120 degree
P/T Speed	5 levels speed adjustable
Audio Specification	
Audio Codec	G.726
Audio I/O	Audio in: Internal Microphone / Audio out: External Speaker
Network and Configuration	
Network Interface	1 x RJ-45
Network Standard	IEEE 802.3 / IEEE 802.3u
Network Protocol	TCP/IP, HTTP, SMTP, FTP, NTP, DNS DDNS, DHCP, UPnP, PPPoE
Browser / Software	Microsoft ® Internet Explorer 6.0 or later, Cam Viewer Lite/Pro
Motion Detection	3 area definable
Wireless Network	
Wireless Standard	IEEE 802.11b / 802.11g / 802.11n (draft 2.0)
Wireless Data Rate	11b: 1/2/5.5/11Mbps
	11g: 6/9/12/24/36/48/54Mbps
	11n (20MHz): MCS0-15, 32 with Half Guard Interval Support (up to 144Mbps) 11n (40MHz): MCS0-15, 32 with Half Guard Interval Support (up to 300Mbps)
Frequency	2.4GHz - 2.484GHz
RF Chain	2T3R mode
RF Modulation	11n: OFDM with BPSK, QPSK, 16-QAM, 64QAM
	11g: OFDM with BPSK, QPSK, 16-QAM, 64QAM
	11b: BPSK, QPSK, CCK
Wireless Encryption	WEP 64/128-bit, WPA-PSK, WPA2-PSK, Cisco CCX Support
Operating Mode	Infrastructure, Ad-Hoc Mode
Antenna Type	2 x 3 dBi (Max) Dual detachable diversity antenna
Antenna Connector	Reversed Polarity SMA Male
Output Power	802.11b mode: 17.5+/-2dBm
	802.11g mode: 14+2/-1dBm
	802.11n mode: 14+2/-1dBm
Receiver Sensitivity	11M : -90dBm
	54M : -79dBm
	300M : -68dBm
Wireless Operating Range	Open Space : 100 ~ 300m
	Inndoors : 35 ~ 100m
Wireless Power Impedance	802.11b -- Peak Output Power: 18dBm @ Nominal Temp Range
	802.11g -- Peak Output Power: 15.5dBm @ Nominal Temp Range
	802.11n -- Peak Output Power: 15.7dBm @ Nominal Temp Range
Environment Specifications	
Power Requirement	12V DC, 1A
Dimension (L x Ø)	108 x 112 x108 mm
Weight	350g
Operating Temperature	0 ~ 50 Degree C
Operating Humidity	10 ~ 80% (non-condensing)
Emission	CE, FCC, PCT

ORDERING INFORMATION

ICA-M220W	802.11n Mega-Pixel CMOS PT IP Camera
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