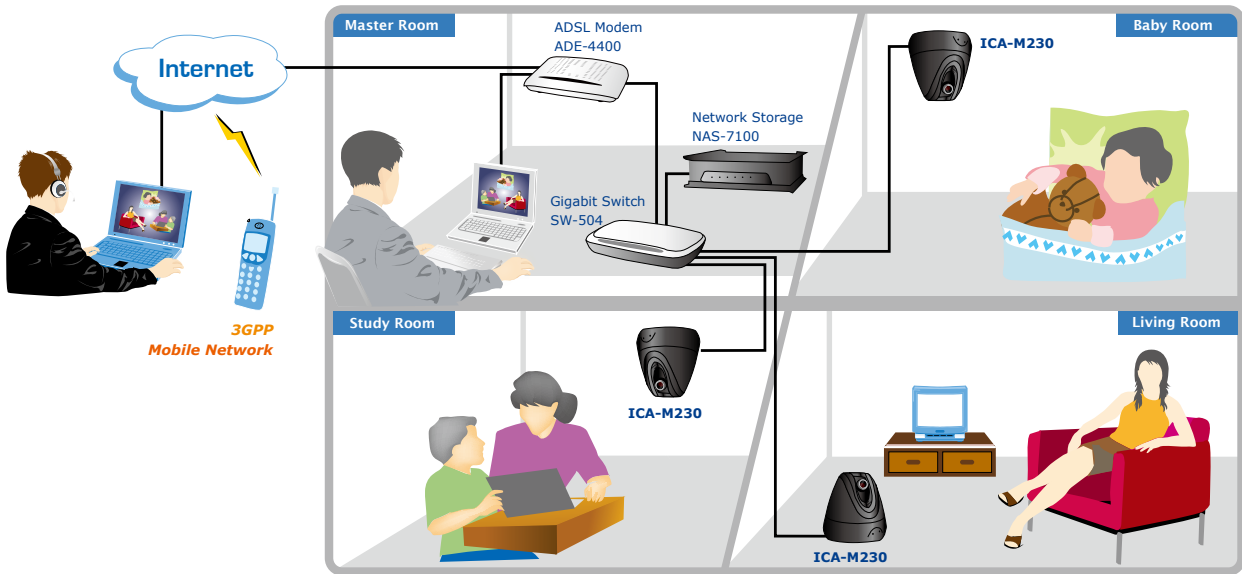# Mega-Pixel CMOS Pan/Tilt IR Internet Camera

The professional management software, PLANET Cam Viewer, is a multi-camera video surveillance application which can handle ICA-M230 to provide monitoring, recording and event management functions. That offers you to setup a comprehensive and effective surveillance system quickly and easily. It can provide a real professional security environment to protect your property and life.

The PLANET ICA-M230, built-in high performance 1.3Mega-Pixel CMOS sensor delivers high quality image at maximum 1280x1024 resolution, multi-profile stands for video stream simultaneously. The ICA-M230 can generate MPEG-4 and M-JPEG streaming to different users in the at the same time. Moreover, the resolution can differ from one user to another. This state-of-the-art design is considerably able to fit in various network environments. The ICA-M230 allows up to 10 users to access simultaneously.

High-speed motorized structure offers a wide pan range of 355-degrees and tilt range of 100-degrees to control over TCP/IP networks. 180 degree/sec pan speed and 100 degree/sec tilt speed drive the camera move to the preset point faster than normal-speed P/T IP cameras.

The ICA-M230 features zero-lux illumination. 4 IR illuminators built around the lens bring the clearest vision at night. The ICA-M230 offers color picture during the day and monochrome at night with built in CMOS sensor up to 10 meters. Use new High-Light LED to provide greater performance in the dark and longer life of LED.

The ICA-M230 takes surveillance using 2-way audio. It can remotely speak to anyone at ICA-M230 site when adding a speaker on ICA-M230. The ICA-M230 is compliant with IEEE 802.3af standard PoE interface. The ICA-M230 can assist in locating cameras in places where there are no power outlets.
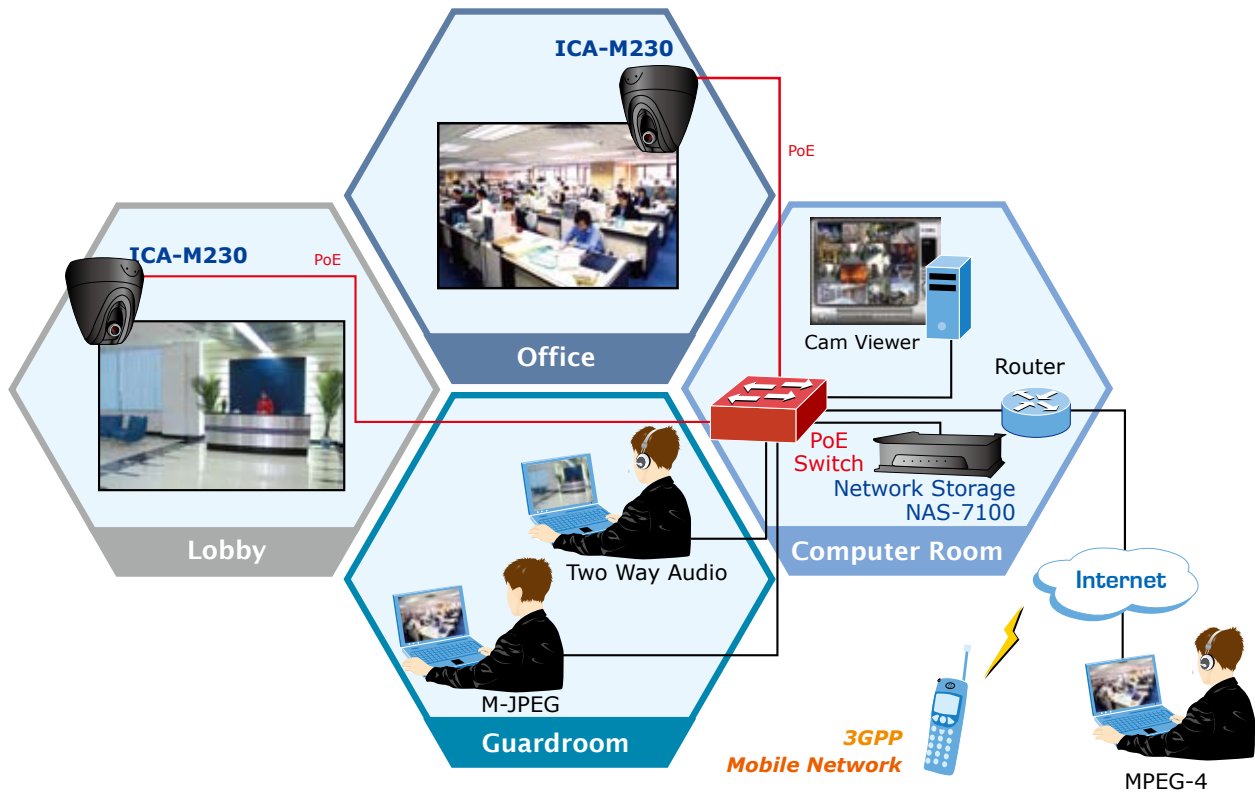
KEY FEATURES

- 1.3Mega-Pixel CMOS sensor built-in
- Offers pan range of 355-degrees and tilt range of 100-degrees to control over network.
- 2-way audio with built-in microphone and additional external speaker
- 4 times brighter IR LED than ordinary IR LED and visible distance up to 10 meter
- Multi-profile encoder supports MPEG-4 and M-JPEG video compression simultaneously
- 3GPP for 3G mobile remote applications
- Clear and high resolution quality pictures for day and night
- Plug-N-Watch is able to simplify system integration in existing network environment
- Because of supporting TCP/IP networking, SMTP e-mail and HTTP public network standards, ICA-M230 can be applied and utilized to a mixed IP 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
- Compliant with IEEE 802.3af standard PoE interface
- Cam Viewer - Central management software supported

APPLICATIONS

Remote monitoring application (Home)

Remote monitoring application (Office)

SPECIFICATION

Product	Mega-Pixel CMOS Pan/Tilt IR Internet Camera
Model	ICA-M230
Video Specification	
Image Sensor	1.3Mega-Pixel CMOS image sensor
Lens	6 mm, F1.6
Scan Method	Progressive
Signal to Noise	More than 50 dB
IR LED	IR LED x 4pcs total
IR Wavelength	850nm
Video Encoder	MPEG-4 and M-JPEG dual code
Rate Control	CBR(Constant Bit Rate) / VBR(Variable Bit Rate)
Video Resolution	30fps @ 640 x 480, 320 x 240, 160 x 120 15fps @ 1024 x 768 (MPEG-4) 5fps @ 1280 x 1024 (M-JPEG)
Image Control	AWB, AESDHCP, UPnP, RTSP, PPPoE, 3GPP
View Angle	Horizontal: 33 Degree / Vertical: 43 Degree
Audio Specification	
Audio Codec	G.726 / AMR
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, RTSP, PPPoE, 3GPP
Browser / Software	Microsoft ® Internet Explorer 6.0 or later, Cam Viewer Lite/Pro, Ai-SeeBuilt-in Fan and Heater
Motion Detection	4 area definable
Environment Specifications	
Power Requirement	12V DC, 1A IEEE802.3af
Dimension (L x Ø)	108 x 109 mm
Weight	281g
Power Consumption	5W max (IR on)
Operating Temperature	0 ~ 50 Degree C
Operating Humidity	10 ~ 80% (non-condensing)
Emission	CE, FCC, PCT

ORDERING INFORMATION

ICA-M230	Mega-Pixel CMOS Pan/Tilt IR Internet Camera

Data Sheet

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