

2 Mega-pixel PoE Cube IP Camera



Professional Indoor Surveillance with Superb UXGA Quality

PLANET has launched the ICA-HM101, the 2 mega-pixel PoE Cube IP Camera, to meet world market demands as it delivers high-quality image at a maximum resolution of UXGA (1600 x 1200) with its built-in high performance 2 mega-pixel CMOS sensor. Integrated with the H.264 video compression technology, the ICA-HM101 can compress the video size to a smaller one for users to transfer the mega-pixel image through Internet easily. The ICA-HM101 supports Multi-Profile and able to generate H.264 / MPEG-4 and M-JPEG streaming to different users at the same time. It allows up to 20 users to access the ICA-HM101 simultaneously. With this state-of-the-art design, the ICA-HM101 is considered the best to fit in with various network environments.



Day & Night Surveillance

The ICA-HM101 brings the clearest vision at night by featuring 0.5 lux illumination and the 12 white-light LEDs built around the lens. It offers color pictures both in the day time and night time with the built-in CMOS sensor supporting up to 10 meters. The ICA-HM101 also uses new High-Light LED to provide greater performance in the dark and longer life of LED.



Camera

- 1/3" Progressive CMOS
- 4.3mm Fixed Lens provides 56 degrees horizontal / 43 degrees vertical angle of view
- 0.5 lux minimum illumination at F1.2
- Maximum resolution of 1600 x 1200
- Built-in 12 IR illuminators, effective up to 10 meters
- Built-in PIR sensor (6m/120-degree coverage) for thermal / motion detection

Video / Audio

- H.264 / MPEG-4 and M-JPEG video compression simultaneously
- Simultaneous multi-stream support
- H.264 high profile, main profile and baseline
- Max. resolution UXGA at 15fps
- 3DNR to improve picture quality at low lux
- 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
- Supports both IPv6 and IPv4
- RTSP / UPnP / 3GPP / HTTPS protocols selectable
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Easy Installation & Management

- ONVIF compliant for interoperability
- Intelligent motion detection up to 10 zones
- Intelligent motion / audio detection alarm triggers
- Built-in Samba client for NAS
- 3GPP for 3G mobile remote applications
- Micro SD/SDHC card local video recording supported
- Digital Input/Output for integration with sensors and alarms
- Easy configuration and management via Windows-based utility or web interface
- Cam Viewer 3 central management software supported

Exceptional Image Quality

Together with powerful image processing attributes like 3D Digital Noise Reduction (3DNR) technology, the ICA-HM101 is able to remove noises from video signal. Thus, it brings an extremely clear and exquisite picture quality even under any challenging lighting conditions.



Passive Infrared (PIR) Sensor

The ICA-HM101 is designed with a built-in **Passive InfraRed** (PIR) motion detection sensor able to detect movement as far as 6 meters away. When people pass by or an emergency happens in a specified area, the ICA-HM101 will “detect” and start recording automatically. With the additional function of alarm notification, it can send an e-mail alert or the captured images via FTP upload to a designated storage server.



Advanced Event Management

Supporting Store-to-NAS function, the ICA-HM101 can work alone and save the video file to a NAS directly, which can save the PC resource and keep monitoring the environment for motion detection at 7/24. It also offers 2-way audio surveillance; therefore, the administrator can speak to anyone at the ICA-HM101 remote site with a speaker connected. In addition, the ICA-HM101 supports inputs/outputs to connect with external devices such as door sensors and relays to activate light or close doors.

2-way Audio



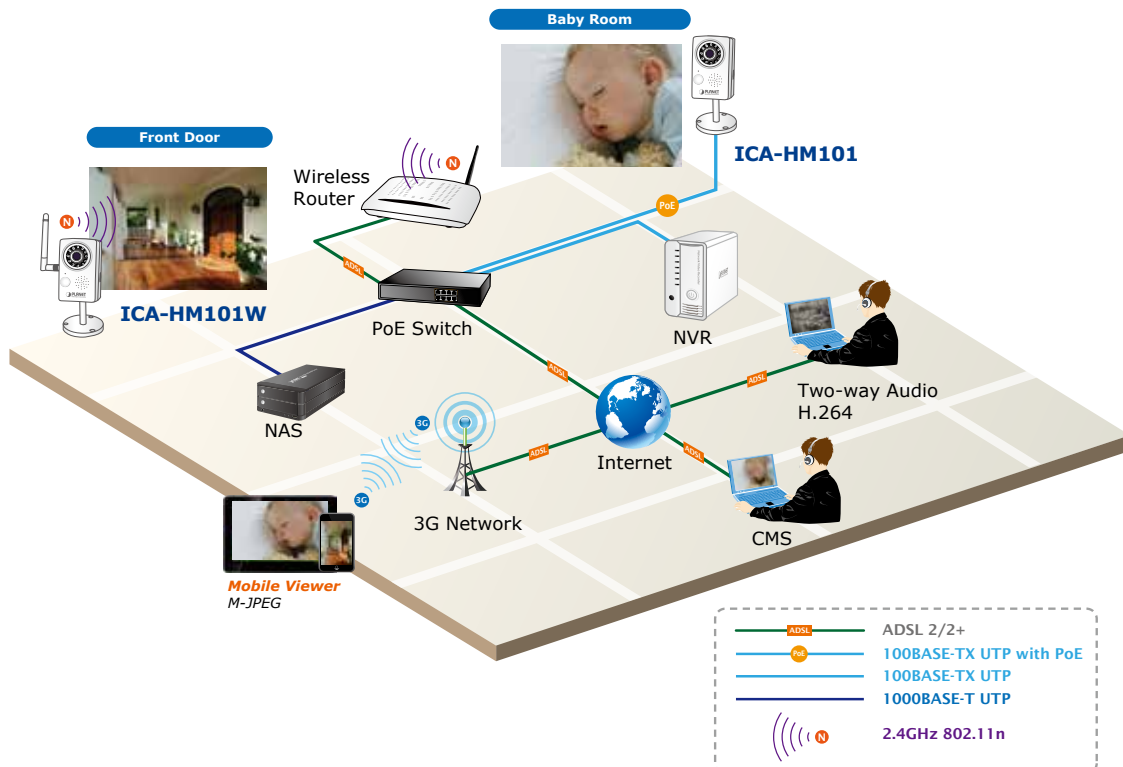
Flexible Installation and Power Functionality

The ICA-HM101 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 for extra power cables and reduces installation costs while increases the deployment flexibility. The ICA-HM101 is ONVIF compliant and interoperable with other brands in the market. It also includes 64-CH central management software for ease of maintenance and remote monitoring. The ICA-HM101 is indisputably the ideal choice for reliable and high performance surveillance.



Applications

PLANET ICA-HM101 is a cost-effective network camera designed for home monitoring. It provides clear identification of objects and people, so it also perfectly satisfies surveillance needs from all aspects such as small businesses, boutiques, restaurants, hotels, and residences, etc.



Specifications

Product	ICA-HM101
Camera	
Image device	1/3" 2 mega-pixel CMOS image sensor
Lens	4.3 mm, fixed iris, fixed focus Angle of view : horizontal: 56 degrees / vertical: 43 degrees
Effective Pixels	1600 x 1200 (UXGA)
Min Illumination	0.5 lux @ F1.2
LED	IR LED x 12, 850nm Built-in IR illuminators, effective up to 5~10 meters
PIR Sensor	Built-in 6m/120-degree Coverage
Video	
Video Encoder	H.264 / MPEG-4 / M-JPEG
Video Resolution	2M mode H.264: 1600 x 1200 / 640 x 480 / 320 x 240 / 160 x 120 M-JPEG: 1600 x 1200 / 640 x 480 / 320 x 240 / 160 x 120 MPEG4: 1600 x 1200 / 640 x 480 / 320 x 240 / 160 x 120 720P mode H.264: 1280 x 720 / 640 x 368 / 640 x 360 / 160 x 90 M-JPEG: 1280 x 720 / 640 x 368 / 640 x 360 / 160 x 90 MPEG-4: 1280 x 720 / 640 x 368 / 640 x 360 / 160 x 90
Frame Rate	Up to 15fps for all resolutions
Image Setting	AE, AWB 3D Noise Reduction Color, Brightness, Sharpness, Contrast, Hue Mirror / Flip 10 Privacy Masks Text, Time and Date Overlay
Streaming	Simultaneous multi-profile streaming Streaming over UDP, TCP, or HTTP M-JPEG streaming over HTTP (server push) Supports 3GPP mobile surveillance (MPEG4) Controllable frame rate and bandwidth Constant and variable bit rate (MPEG4 / H.264) ROI
Audio	
Audio Streaming	2-way Audio
Audio Compression	RTSP: G.711 64kbps, G.726 32kbps 3GPP: AMR
Microphone	Built-in microphone and speaker input
Audio Output	Adjustable audio output gain
Network and Configuration	
Network Standard	IEEE 802.3 10BASE-T IEEE 802.3u 100BASE-TX
Network Protocol	IPv4, IPv6, TCP/IP, UDP, HTTP, HTTPS, SMTP, FTP, NTP, DNS, DDNS, DHCP, ARP, Bonjour, UPnP, RTSP, RTP, RTCP, IGMP, PPPoE, 3GPP, ICMP, Samba
Security	Password protection, IP address filtering, HTTPS encrypted data transmission, user access log
Users	20 clients on-line monitoring at the same time
System Integration	
Application Programming Interface	Open API for software integration ONVIF
Alarm Triggers	Intelligent Video Motion Detection External Input PIR detector (Human Detect) Audio detection
Alarm Events	File upload via FTP, Samba, SD card or email Notification via email, HTTP, and TCP External output activation Audio output alert
Video Buffer	Pre and post alarm buffering

Environment	
Power Requirements	12V DC, 1A IEEE 802.3af (Power over Ethernet) Class 3
Power Consumption	6W (12V DC)
Operating Temperature	-10 ~ 40 degrees C
Operating Humidity	20 ~ 80% (non-condensing)
Dimensions (W x D x H)	58 x 39 x 91 mm
Weight	146g
Emission	CE, FCC
Connectors	10/100 Mbps Ethernet, RJ-45 DC power jack Terminal block for 1 alarm input and 1 output Audio out TV out Micro SD/SDHC card (Max. 32GB, Class 6) Factory default reset

Ordering Information

ICA-HM101	2 Mega-pixel PoE Cube IP Camera
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Related Products

ICA-W1200	Full HD Wireless Cube IP Camera
ICA-1200	Full HD PoE Cube IP Camera
ICA-HM101W	2 Mega-pixel Wireless Cube 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-820	8-CH Network Video Recorder with HDMI
NVR-915	9-Ch Network Video Recorder
NVR-1615	16-Ch Network Video Recorder
NVR-1620	16-CH Network Video Recorder with HDMI
NVR-3210	32-CH Network Video Recorder
NVR-3250	32-Ch Rack-mount Network Video Recorder
NVR-3280	32-Ch Rack-mount Network Video Recorder with 8-Bay Hard Disks
CV3-M1024	1024-Channel Central Management Software