2 Mega-Pixel PoE Cube IP Camera

PLANET announced the 2 Mega-Pixel PoE Cube IP Camera, ICA-HM101, to meet the demands from worldwide market. The ICA-HM101 delivers high quality image at maximum UXGA (1600 x 1200) resolutions with its built-in high performance 2 Mega-Pixel CMOS sensor. Integrated the H.264 video compression technology, the ICA-HM101 can compress the video size to 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 considerable to fit in various network environments.

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 daytime and nighttime 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.

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 with motion detection at 7/24. The ICA-HM101 integrates a passive infrared (PIR) sensor for detecting. It also offers 2-Way audio surveillance; therefore, the administrator can speak to anyone at ICA-HM101 remote site with a speaker connected. Compliant with IEEE 802.3af PoE interface, the ICA-HM101 can be located in any places even there are no power outlets.

For multi-camera video surveillance applications, the ICA-HM101 can be managed by PLANET Cam Viewer 3, the professional management software, to provide monitoring, recording and event management functions. The Cam Viewer 3 enables you to setup a comprehensive and effective surveillance system quickly and easily. With the ICA-HM101 managed by the Cam Viewer 3, it provides an enhanced professional security environment to protect your property and life.

KEY FEATURES

CAMERA

- 2 Mega-Pixel CMOS sensor built in
- 12 white-light LEDs support up to 10 meters visible distance at night
- 4.3mm Fixed Lens provides 56 degree horizontal / 43 degree vertical angle of view
- High Resolution Video Preview: UXGA (1600 x 1200) pixels
- Min Illumination: 0.5 lux @ F1.2
- Built-in PIR sensor (6m/120 degree coverage) for thermal / motion detection
- Intelligent motion detection up to 10 zones

VIDEO

- Multi-Profile encoder supports H.264 / MPEG-4 and M-JPEG video compression simultaneously
- Supports both Variable Bit Rate and Variable Frame Rate
- 2M resolution or 720p mode selectable
- Up to 30fps for 1280 x 720 resolutions and up to 15fps for 1600 x 1200 resolutions
- Digital WDR to provide clear images even under back light circumstances
- 3D de-noise to improve picture quality at low lux

AUDIO

- 2-Way audio with built-in microphone and speaker
- Sensor input and alarm output
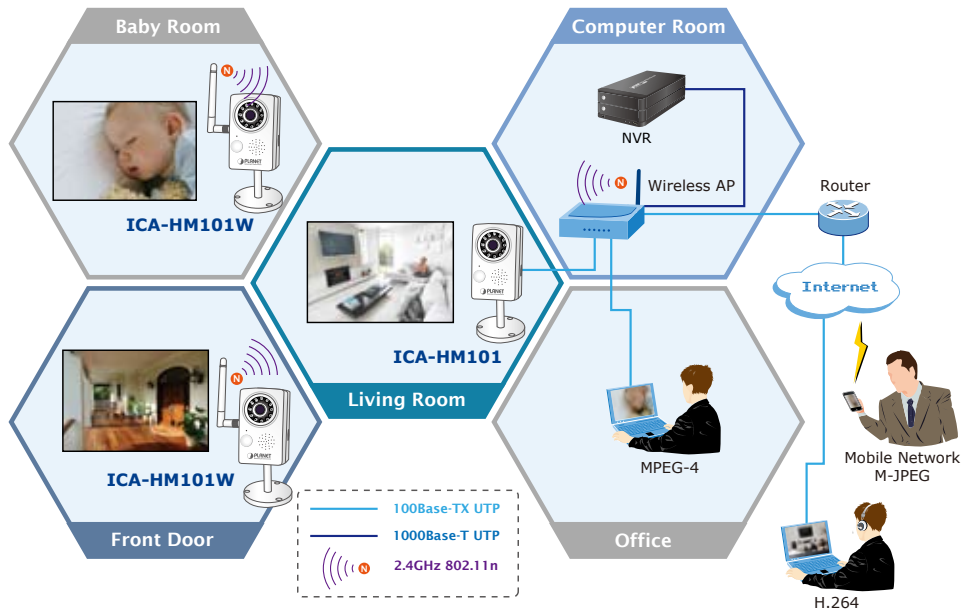
NETWORK AND CONFIGURATION

- Easy configuration and management via Windows-based utility or web interface
- Compliant with IEEE 802.3af PoE interface for flexible deployment
- 20-profile encoder simultaneously
- UDP / TCP / HTTP / HTTPS protocols selectable
- Cam Viewer 3 Central management software supported

SYSTEM INTEGRATION

- Store-to-NAS function enables video files saved without operating software
- DDNS, PPPoE and FTP uploading support more alternatives in surveillance network
- SD Card supported for Local Video Recording
- ONVIF standard supported
- 3GPP for 3G mobile remote applications
- UPnP device discovery and NAT router transversal for easy installation

APPLICATIONS

PLANET ICA-HM101 is a highly cost-effective network camera designed for home monitoring. It provides clear identification of objects and people, so it perfectly satisfies surveillance needs from all aspects such as front door, baby room, living room and etc.

SPECIFICATION

Product	2 Mega-Pixel PoE Cube IP Camera
Model	ICA-HM101
Camera	
Image Sensor	1/3" 2 Mega-Pixel CMOS image sensor
Lens	4.3 mm, F1.8
View Angle	H: 56 Degree V: 43 Degree
Illumination	0.001 Low Lux (DSS)
Effective Pixels	1600 x 1200 (UXGA)
Min Illumination	0.5 lux @ F1.2
Signal to Noise	42 dB
LED	12 x White-light LED
Indication LED	Green: LAN LED Orange: Power / Wireless LED
PIR Sensor	Built-in 6m/120 Degree Coverage
Motion Detection	10 area definable
Video	
Video Encoder	H.264 / MPEG-4 / M-JPEG
Video Profile	20 profiles simultaneously
Video Resolution	H.264 UXGA / VGA / QVGA / QQVGA MPEG4 VGA / QVGA / QQVGA M-JPEG UXGA / VGA / QVGA / QQVGA
Rate Control	CBR (Constant Bit Rate) / VBR (Variable Bit Rate)
Frame Rate	Mega-Pixel mode up to 15fps for all resolution VGA mode up to 30fps for VGA / QVGA / QQVGA
Image Setting	AE, AWB 3D Noise Reduction Digital WDR Color, Brightness, Sharpness, Contrast, Hue Mirror / Flip 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 Codec	RTSP: G.711 64kbps, G.726 32kbps 3GPP: AMR
Audio Streaming	One-Way or 2-Way
Audio I/O	Audio in: Internal Microphone and Speaker Audio out: Line
Network and Configuration	
Network Interface	Ethernet 10Base-T/100Base-TX
Network Standard	IEEE 802.3 IEEE 802.3u
Network Protocol	TCP/IP, UDP, HTTP, SMTP, FTP, NTP, DNS, DDNS, DHCP, DIPS ARP, Bonjour, UPnP, RTSP, RTP, RTCP, IGMP, PPPoE, 3GPP, ICMP, Samba
Browser / Software	Microsoft ® Internet Explorer 6.0 or later, PLANET Cam Viewer 3 Lite / Pro (CV3L . CV3P)
Users	20 simultaneous unicast users
Connection type	Static IP, DHCP
Management	Web, CV3P, CV3L
System Integration	
SDK	Open API for software integration ONVIF
Alarm Triggers	Intelligent Video Motion Detection, External Input, PIR detector (Human Detect)
Alarm Events	File upload via FTP, Samba, SD card or email Notification via email, HTTP, and TCP External output activation Audio alerting output
Video Buffer	Pre and post alarm buffering
Environment	
Power Requirement	12V DC, 1A IEEE 802.3af
Dimension (W x D x H)	91 x 58 x 39 x 91mm
Weight	146g
Power Consumption	6W (12VDC)
Operating Temperature	-10 ~ 40 Degree C
Operating Humidity	20 ~ 80% (non-condensing)
Emission	CE, FCC

ORDERING INFORMATION

ICA-HM101	2 Mega-Pixel PoE Cube IP Camera

RELATED PRODUCTS

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
ICA-HM101W	2 Mega-Pixel Wireless Cube 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
CV3-M1024	1024-Channel Central Management Software
FSD-804PS	8-Port 10/100Mbps with 4-Port Web/Smart PoE Switch
MGSW-1GT	1-Port 1000Base-T Gigabit Ethernet Expansion module (RJ-45)