2 Mega-Pixel PoE Plus Speed Dome Internet Camera

The PLANET ICA-HM620 is the outdoor speed dome Internet camera offering the **Full HD 1080P** resolution with superb image quality. It features a 20 x 8 zooming **(20x optical zoom, 8x digital zoom)** with auto focus and auto iris.

The ICA-HM620 provides fast, accurate and continuous 360 panning operations. The unparalleled surveillance functions of the ICA-HM620 including 256 camera presets, 8 camera cruise configurations, and the motion detection function make it able to satisfy the demanding surveillance and remote monitoring applications.

The ICA-HM620 features Multi-profile function which can generate H.264 and M-JPEG video streaming simultaneously. It offers extra smooth video quality with resolution **up to 60 fps @ 720P and 30 fps @ 1080P.** Boasting **WDR technology**, the ICA-HM620 can also cope with challenging lighting conditions and generate image quality close to the capabilities of a human eye. Moreover, the resolution can be different from one user to another. It is a perfect and effective surveillance solution for the bandwidth limited networks.

The ICA-HM620 supports **removable IR-cut filter** to maintain clear images 24 hours a day. It takes surveillance using 2-Way audio so that the administrator can speak to anyone at ICA-HM620 remote site with a speaker connected. The ICA-HM620 can also be installed in most of bad outdoor environment and keep working properly with the IP66 protecting cover. It provides **Micro SD/SDHC** card slot for convenient local storage and supports **802.3at compliant PoE Plus** to enhance the camera stable operation. This state-of-the-art design is considerable to fit in various network environments like traffic centers, shopping malls, railway stations, warehouses, airports, and production facilities for the most demanding outdoor surveillance applications.

KEY FEATURES

CAMERA
- 1/2.8" Sony Progressive Scan CMOS sensor built-in
- 20 x 8 zooming (20X optical, 8X digital) adjustment
- Auto White Balance
- Auto Electronic Shutter Time (1/30 ~ 1/10k sec)
- Automatic gain control (AGC) for image intensified

VIDEO & AUDIO
- Multi-profile encoder supports H.264 and M-JPEG video compression simultaneously
- High resolution quality pictures for day and night surveillance
- Up to 30fps for 1080P resolution and up to 60fps for 720P resolutions
- D1 / CIF Real-time resolutions (30fps)
- 2D/3D de-interlaced video image
- Image Enhancement with Wide Dynamic Range (WDR) / IR Cut Filter (ICR)
- 2-Way audio with built-in microphone input and linear audio output
- Motion Detection feature can monitor any suspicious movement in specific area

NETWORK AND CONFIGURATION
- IPv4 / IPv6 and UDP / TCP / HTTP / HTTPS protocols selectable
- DDNS and FTP uploading supports more alternatives in surveillance network
- 3GPP for 3G mobile remote applications
- Cam Viewer 3 - Central management software supported
- Easy configuration and management via Windows based utility or web interface

OPERATION
- Built-in 802.3at Compliant PoE Plus
- 360 Degree continuous PAN and Tilt (-10 ~ 190 Degree)
- Preset speed at 5~400 Degree / sec and manual speed 0.5 ~ 90 Degree / sec
- 256 presets, tour based on presets, in which speed and park time of presets can be set
- Cruise line: 8 groups programmable lines, each cruise with 32 presets

ENVIRONMENT
- 4 alarm in and 2 alarm out, and supports alarm trigger
- IP66 outdoor classification with heater and fan for rigorous environment
- Fan and heater with fully automatic intelligent control

APPLICATIONS

PLANET ICA-HM620 is providing various surveillance applications to deliver 360 Degree panoramic clear images. It can provide identification of objects and people, perfect for surveillance needs from all aspects. Which have the IP-66 protecting cover can also be installed in most of outdoor environment such as POS / Cashier of a shop, the mall, lobby, public area and etc.
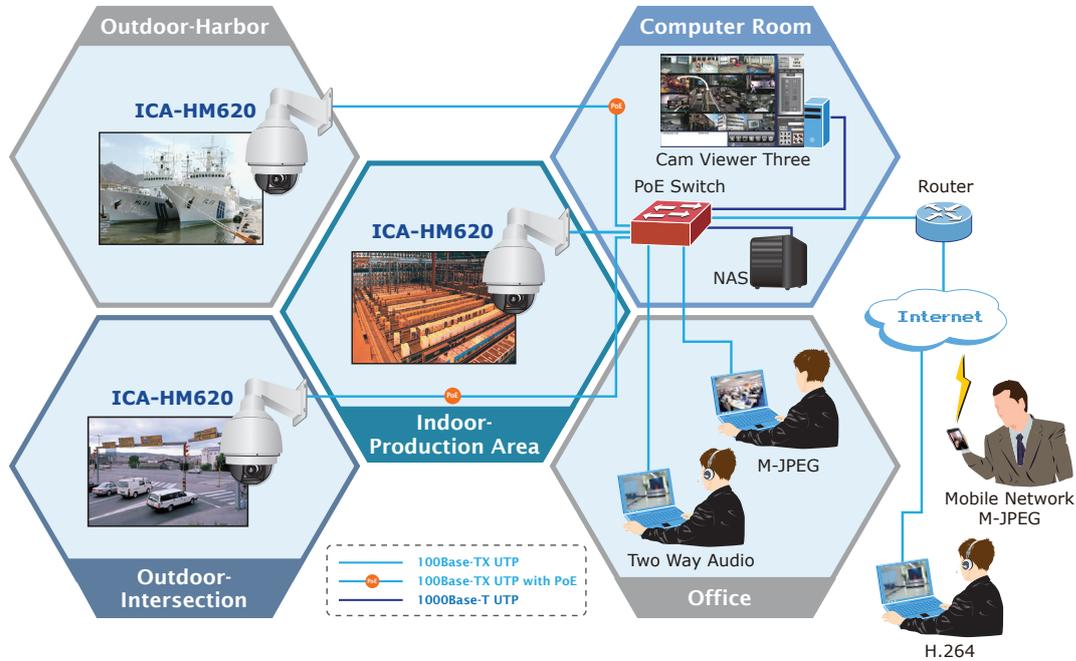
SPECIFICATION

Product	2 Mega-Pixel PoE Plus Speed Dome Internet Camera
Model	ICA-HM620
Camera	
Image Sensor	1/2.8" Sony Progressive Scan CMOS Sensor
Lens	f =4.7 ~ 84.6mm / F=1.6
Min Illumination	0.04 Lux (B/W) / 0.3 Lux (color)
Optical Zoom	20X
Digital Zoom	1 ~ 8x variable
Focal Length	4.7 ~ 94 mm
Focus Mode	Auto / Manual
View Angle	H: 5.2 ~ 55.2 Degree V: 2.4 ~ 42.1 Degree
White Balance	Auto / Indoor / Outdoor / ATW
Iris Control	Auto / Manual
Electronic Shutter	1/30 ~ 1/10k sec
AGC control	Auto / Manual
Back Light	On / Off
Video	
Compression	H.264 Main Profile / MJPEG
Streaming	Multiple Streams, H.264 + MJPEG / H.264 + H.264
Resolution	1080P / 720P / VGA / D1
Frame Rate	30/25 fps @ 1080P / 60/50 fps @ 720P
Motion Detection	On / Off
Wide Dynamic Range	On / Off
Audio	
Compression	G711 / G.726 ADPCM / AAC
Streaming	Two-way
Noise Reduction 2D / 3D	On / Off

SPECIFICATION

Network and Configuration	
Interface	10/100 Mbps Ethernet (RJ-45)
Protocol	IPv4/v6, TCP/IP, UDP, RTP, RTSP, HTTP, HTTPS, ICMP, FTP, SMTP, DHCP, PPPoE, UPnP, IGMP, SNMP, QoS, IEEE 802.1x, ONVIF
Supported Web Browser	Internet Explorer 6.0 or later, Chrome, Firefox, Safari
Management	Web, CV3P, CV3L
Operation	
Pan Degree	0 ~ 360 Degree continuous panning
Tilt Degree	-10 ~ 190 Degree
Manual Speed	0.5 ~ 90 Degree / s
Preset Point	256
Preset Accuracy	0.225 Degree
Preset Speed	5~400 Degree / s
Sequence	8
Auto Pan	4
Camera Cruise	8
Privacy Mask	16
Proportional Pan & Tilt	On / Off (Pan and tilt speed proportional to zoom ratio)
Resume after Power loss	Yes
Zone Title	16
Home Function	Preset, Sequence, Auto pan, Cruise
Auto Flip	Digital / Mechanical / Off
Digital Slow Shutter	On / Off
Environment	
Audio in / Audio out	1 x MIC in / 1 x Line out
Video Output	1.0 Vp-p / 75ohm (BNC connector)
2-Way Audio	Full-Duplex, Half-Duplex, Simplex
DI / DO ports	DI x 4 / DO x 2 (dry contact)
Protection Class	IP-66 outdoor classification, Built-in Fan and Heater
Dimension (Φ x H)	191.97 x 282.11 mm
Weight	2.32 kg
Power Supply	AC24V ± 10% (system & heater) IEEE 802.3at (system)
Operating Temperature	-45 ~ 50 Degree C (-49 ~ 122 Degree F)
Operating Humidity	10 ~ 90% (non-condensing)
Power Consumption	65 W (with Heater), 30W (without Heater)
Emission	CE, FCC

ORDERING INFORMATION

ICA-HM620	2 Mega-Pixel PoE Plus Speed Dome Internet Camera

RELATED PRODUCT

ICA-H612-NT/PA	H.264 12x Outdoor Speed Dome Internet Camera
ICA-H652-NT/PA	H.264 36x Outdoor Speed Dome Internet Camera
NVR-810	8-Ch Network Video Recorder
NVR-1610	16-Ch Network Video Recorder
NVR-3210	32-Ch Network Video Recorder
Professional / Central Management Software	
CV3P-4/8/16/36/64	4 ~ 64 Ch Cam Viewer 3 Professional Version

C-ICA-HM620