2 Mega-pixel 35M IR Outdoor Box PoE IP Camera

Camera

- 1/2.7" 2 mega-pixel progressive scan CMOS sensor
- 0.5 lux minimum illumination at F1.2
- Built-in 86 IR illuminators, effective up to 35 meters
- Removable IR-cut filter for Day & Night function

Video / Audio

- H.264 and M-JPEG video compression simultaneously
- Simultaneous multi-stream support
- H.264 high profile, main profile and baseline
- Max. resolution 1080p at 30fps
- 3DNR to improve picture quality at low lux
- WDR Enhancement for enhancing visibility under extremely bright or dark environments
- Two-way audio support with enhanced audio quality
- Tamper and audio detection for unauthorized changes

Network and Configuration

- Compliant with IEEE 802.3af PoE interface for flexible deployment
- Auto MDI/MDI-X supported
- Supports both IPv6 and IPv4
- Built-in Samba client for NAS
- RTSP / UPnP / HTTP / HTTPS protocols selectable

Easy Installation and Management

- ONVIF-compliant for interoperability
- IP65 rating for rigorous environment
- Built-in fan and heater with fully automatic intelligent control
- Industrial design with -30 to 60 degrees C operating temperature
- Intelligent motion, tampering and audio detection alarm triggers
- Digital Input/Output for integration with sensors and alarms

High Resolution Surveillance in Day and Night

PLANET ICA-HM351 Network Camera with IR Illuminator is a high-resolution camera for the round-the-clock surveillance over IP networks. It supports H.264 and JPEG compression formats, and delivers excellent picture quality in Full HD resolutions at 30 frames per second (fps). Incorporating the new CMOS image sensor, which is specially designed for surveillance applications, the ICA-HM351 provides high-quality images under all lighting conditions. Its IP65 and -30 to 60 degrees C operating temperature features help to protect the camera body against rain and dust, thus ensuring operation under extreme weather conditions. Thus, it is an ideal solution for outdoor applications, e.g., surveillance of buildings, roads, parking areas, garages, railway stations and airports.

Day & Night Functionality

To adapt to constantly changing lighting conditions, the ICA-HM351 comes with a removable IR-cut filter and built-in low IR illuminators, which enable the camera to provide color video when there is sufficient light, and black/white video in dark conditions. The ICA-HM351 is able to maintain clear images 24 hours a day.
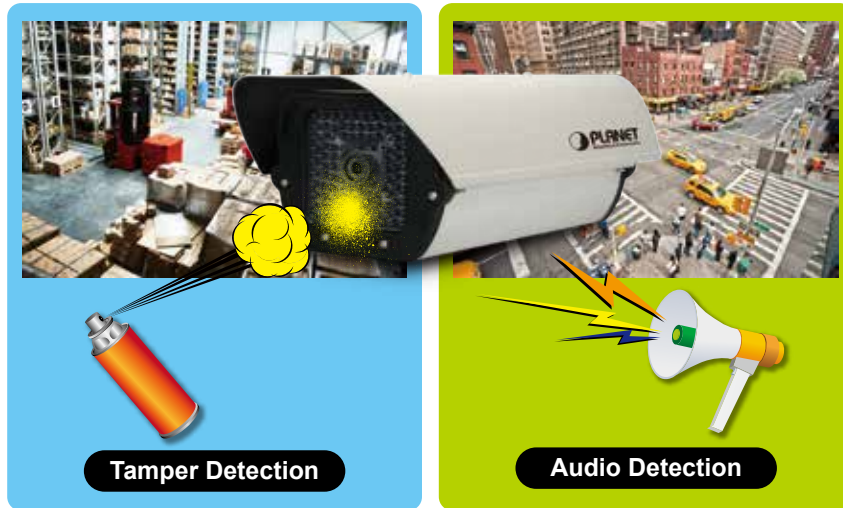

Exceptional Image Quality

Together with powerful image processing attributes like Wide Dynamic Range and 3D Digital Noise Reduction (3DNR) technology, the ICA-HM351 is able to filter the intense backlight surrounding a subject and remove noises from video signal. It brings an extremely clear and exquisite picture quality even under any challenging lighting conditions.

Camera Tampering and Audio Detection

Provided with three individually configurable motion detection zones, the ICA-HM351 can record video or trigger alarms and alerts when motion is detected in user-specified areas of the camera image. Also, its built-in microphone enables the system to capture the sound that is within camera's surveillance range. The system will trigger the audio detection alarm when sounds like screams, glass breaking, etc. are detected.

Tamper Detection

Audio Detection

Defog Video Enhancement for Better Video Quality

Defog can be used to restore clear image in poor weather conditions such as sandstorm, rain, or fog. The visibility of the cameras can be enhanced in any weather condition.

Fog ➔ After defogging

Advanced Event Management

To enhance surveillance flexibility and event management capabilities, the ICA-HM351 supports a number of advanced features including auto-iris to avoid overexposure, and AV out to perform the two-way audio function.

2-way Audio

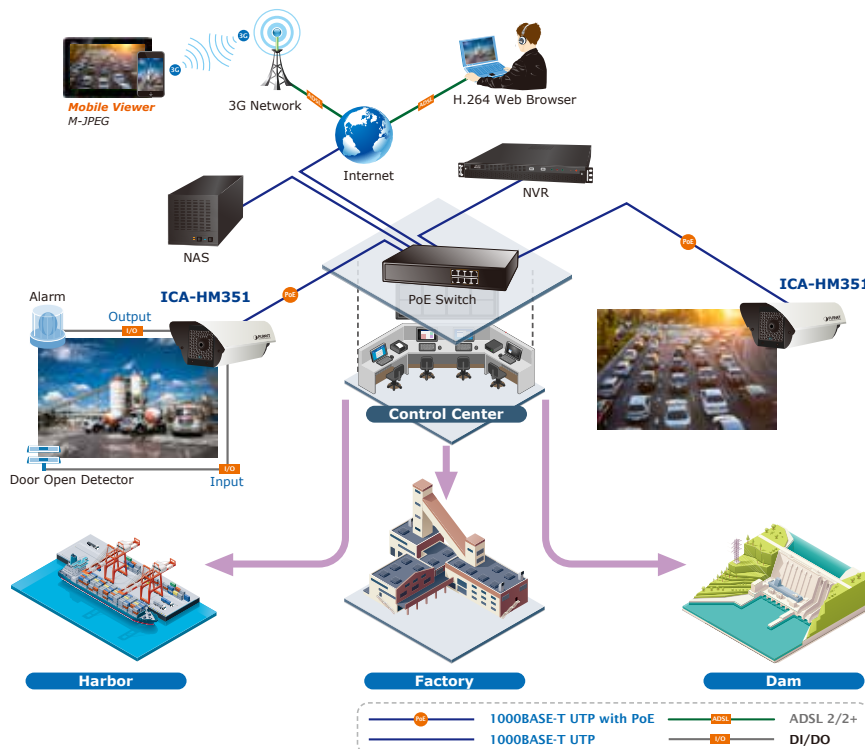*Flexible Installation and Power Functionality*

The ICA-HM351, incorporating IEEE 802.3af Power over Ethernet standard, is 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-HM351 is ONVIF-compliant and therefore interoperable with other manufacturers' products. It also includes 64-ch central management software for ease of maintenance and remote monitoring. The ICA-HM351 is indisputably the top choice for reliable and high-performance surveillance.
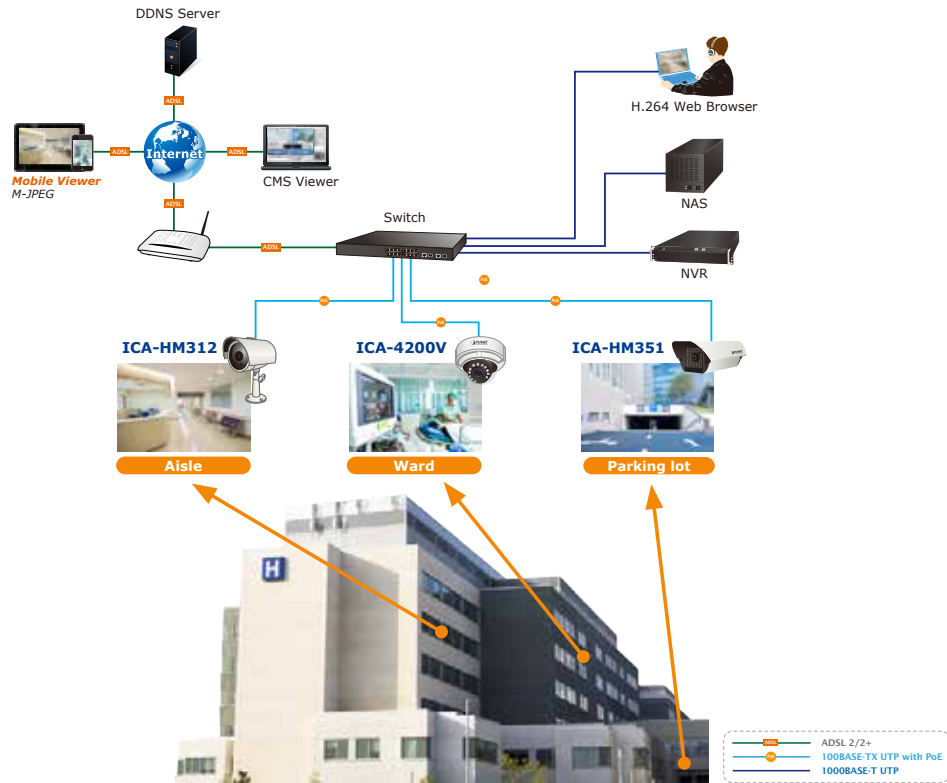

Applications

PLANET ICA-HM351 can perform in various surveillance applications. With high-resolution design, it can capture clear images and is perfect for identifying objects and persons. Moreover, the ICA-HM351 supports 802.3af PoE interface, and facilitates the indoor surveillance applications without worrying the electric source.

Its Save-to-NAS makes you easy to save your data. Besides, NVR and Web UI management make you easy to do the configuration and live viewing. Moreover, viewing your baby on your smart phone would give you a peace of mind.

With so many features offered, the ICA-HM351 no doubt is your best choice for indoor surveillance solution.

Specifications

Model	ICA-HM351
Camera	
Image device	1/2.7" 2 mega-pixel progressive scan CMOS sensor
Lens	3.6mm, fixed lens Mechanical IR-cut filter Angle of view: Horizontal: 74 degrees Vertical: 57 degrees
Min Illumination	0.5 lux (color) @ F1.2 0.1 lux (B/W)
IR Illuminations	IR LED x 86, 850nm Built-in IR illuminators, effective up to 35 meters *The IR distance is based on the environment
Effective Pixels	1920 x 1080 pixels
Image	
Video Compression	H.264 / M-JPEG
Video Resolution	1080p, 720p, 640 x 360, 320 x 180
Frame Rate	Up to 30fps for all resolutions
Image Setting	AE, AWB 3D noise reduction WDR Color, hue, brightness, sharpness, contrast Mirror/Flip 90 degrees rotation Defog Anti-false color Lens distortion correction 10 privacy masks Text, time and date overlay Overlay image on video
Streaming	Simultaneous multi-profile streaming Streaming over UDP, TCP, HTTP, or HTTPS M-JPEG streaming over HTTP (server push) Controllable frame rate and bandwidth Constant and variable bit rate (H.264) AOI ROI
Audio	
Audio Streaming	Two-way audio

Audio Compression	RTSP: G.711 64kbps, G.726 32kbps
Microphone	External microphone input
Audio Output	Adjustable audio output gain
Network and Configuration	
Standard	IEEE 802.3 10BASE-T IEEE 802.3u 100BASE-TX
Protocol	IPv4, IPv6, TCP, UDP, HTTP, HTTPS, SMTP, FTP, NTP, DNS, DDNS, DHCP, DIPS, ARP, Bonjour, UPnP, RTSP, RTP, RTCP, IGMP, PPPoE, Samba, ICMP, SNMP, QoS
Security	Password protection, IP address filtering, HTTPS encrypted data transmission, user access log
Users	8 clients on-line monitoring at the same time
System Integration	
Application Programming Interface	Open API for software integration ONVIF Compliant
Alarm Triggering	Intelligent motion, tampering, audio detection, network disconnect and external input
Intelligent motion, tampering, audio detection, network disconnect and external input	File upload via FTP, Samba to NAS and email Notification via email, HTTP and TCP External output activation Audio alerting output
Video Buffer	Pre- and post-alarm buffering
General	
Power Requirement	12V DC, 1A IEEE 802.3af Class 3
Fan / Heater Control Temperature	Heater: On: 15 / Off: 25 degrees C Fan: On: 37 / Off: 25 degrees C
Power Consumption	9W max.
Operating Temperature	-30 ~ 60 degrees C
Operating Humidity	5 ~ 95% (non-condensing)
Protection Class	IP65 classification with weatherproof feature
Weight	1335g
Dimensions (W x D x H)	141 x 310 x 120 mm
Emission	CE, FCC
Connectors	10/100 Mbps Ethernet, RJ45 DC power jack Terminal block for 1 alarm input and 1 output External mic input Audio out Composite video out (max. resolution: D1 720 x 480 pixel) Factory default reset button

Ordering Information

ICA-HM351	2 Mega-pixel 35M IR Outdoor Box PoE IP Camera

Related Products

FGSW-1816HPS	16-Port 10/100TX 802.3at PoE + 2-Port Gigabit TP/SFP Combo Web Smart Ethernet Switch
FSD-504HP	4-Port 10/100Mbps 802.3af/at PoE + 1-Port 10/100Mbps Desktop Switch (60 watts)
GS-4210-24P2S	24-Port 10/100/1000T 802.3at PoE + 2-Port 100/1000X SFP Managed Switch
GSD-908HP	8-Port 10/100/1000T 802.3at PoE + 1-Port Gigabit Desktop Switch
ICA-2200	Full HD PoE Box IP Camera
ICA-2500	5 Mega-pixel PoE Box IP Camera
ICA-2250VT	Industrial PoE Plus Outdoor IR IP Camera
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-3250	32-Ch Rack-mount Network Video Recorder

ICA-HM351v2