

10x Optical Zoom WDR IP Camera



The PLANET ICA-HM710 is a box type CCTV camera featuring 10x Optical Zoom and a wide dynamic range (**WDR**) sensor. It supports dual H.264 / M-JPEG stream video up to Full HD 1080p (1920 x 1080 pixels) and D1 resolution simultaneously. The equipped 10x optical zoom lens is with auto focus and auto iris, so that users can adjust the image to have a super wide angle or zoom in close on specific areas for better surveillance. This wide dynamic range camera adjusts automatically for bright and dark areas and eliminates the effect of overexposure and under exposure conditions.

Crystal Clear Images in Day & Night

The ICA-HM710 offers high flexibility to be applied in various kinds of IP surveillance environment as it has built-in **ICR** (IR-cut Filter removable) capable of supporting low light surveillance as low as 0.02 LUX illumination in both day and night. The ICA-HM710 also applies the **3D noise** reduction technology so environmental noise is removed to provide crystal clear video. Moreover, the camera will automatically switch from colorful surveillance to black and white at night or when the light becomes dark in order to provide optimal image quality at all times.

Flexible Installations

The ICA-HM710 is compatible with **IEEE 802.3af PoE** (Power over Ethernet) for easy installation without concerning the electric outlet / socket locations. It supports Two-Way audio that can directly make audio communication between local and remote sites by using the external microphone and speaker. Users can further build a more advanced security system by connecting external sensors or alarm to DI / DO ports of the ICA-HM710.

Full Featured Central Management

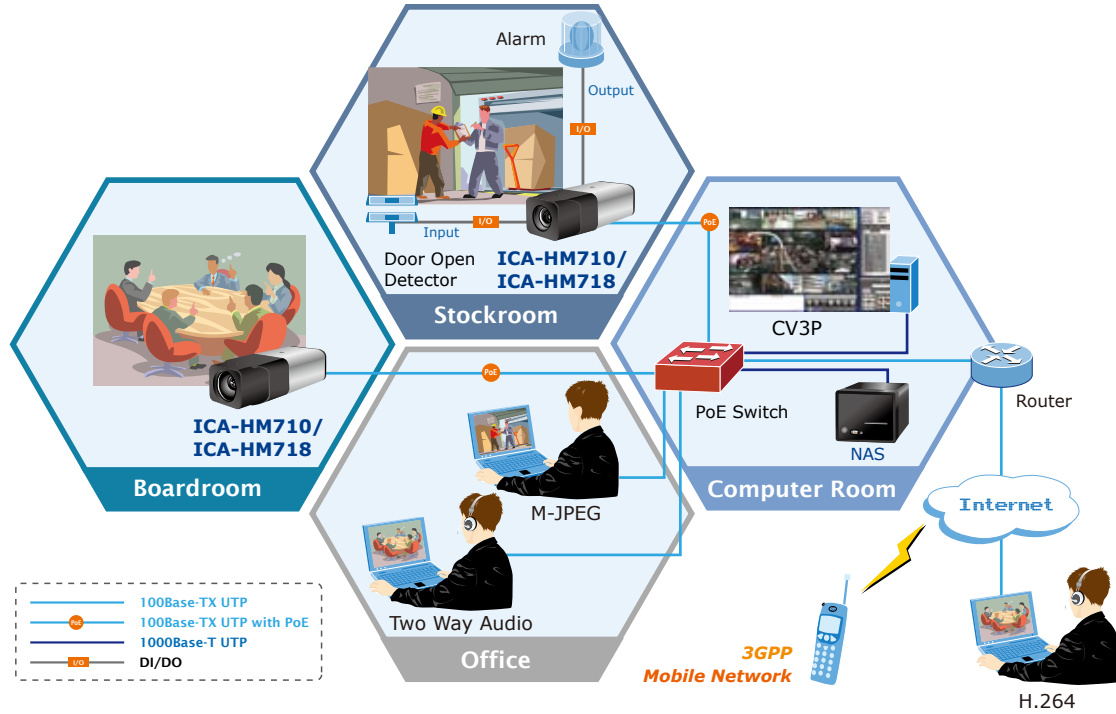
PLANET ICA-HM710 is the perfect solution for surveillance application in the stores, office or other indoor environment. The ICA-HM710 is also able to perform surveillance in outdoor when installed with the outdoor protection case ICA-BOX30. The ICA-HM710 can be managed by PLANET Cam Viewer 3 IP-Surveillance management software (CV3) or PLANET Network Video Recorder (NVR) that provides central **monitoring**, **recording** and **event management** functions for your surveillance system and helps to effectively protect your property and life.

KEY FEATURES

- H.264 and M-JPEG dual codec
- 10x Optical, 8x Digital Zoom
- High quality Full HD 1080p resolution
- 30fps at Full HD 1080p and all resolution
- Day / Night surveillance switch with ICR (IR-cut Filter removable)
- Slot for Micro SD card storage
- Compliant with IEEE 802.3af Power over Ethernet standard
- IPv6 support
- ONVIF compliance
- External I/O trigger for various surveillance applications
- Two-Way Audio communication with external microphone and speaker
- Motion Detection feature can monitor any suspicious movement in specific area
- DDNS and FTP uploading provide more alternatives in surveillance network
- Easy configuration and management via Windows-Based utility or web interface

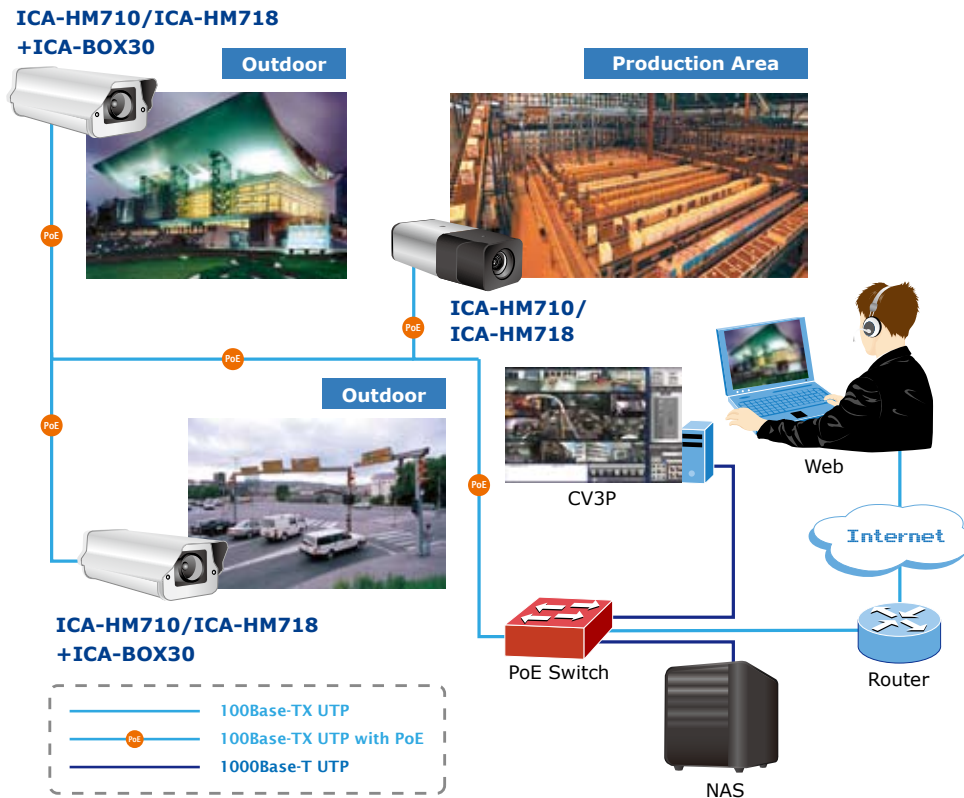
APPLICATIONS

Remote monitoring for indoor surveillance application



H.264

Day-and-night outdoor surveillance application with ICA-HM710 / ICA-HM718 installed in ICA-BOX30 case



SPECIFICATION

Product	10x Optical Zoom WDR IP Camera
Model	ICA-HM710
Hardware Specification	
Image Sensor	1/2.8" 3M Sony Progressive CMOS Sensor
Lens	4.95 ~ 49.5mm Optical 10x lens with Auto iris, Auto focus and IR cut filter / F=1.6 (Wide), F-2.0 (Tele)
Minimum illumination	Color : 0.2lux @ F1.6 B/W : 0.02lux @ F1.6
Video Resolution	H.264 / M-JPEG Full HD 1080p (1920 x 1080; 2 mega pixel) HD 720p (1280 x 720) XGA (1024 x 768) SVGA (1280 x 1024) D1 / VGA / CIF
Frame Rate	30fps for all resolutions
Shutter Speed	1 ~ 1/10000 sec
White Balance	Manual / ATW / Auto
View Angle (Horizontal / Vertical)	H: 4.8 ~ 63.5 Degree V: 2.7 ~ 38.4 Degree
Scan Method	Progressive
Video Encoder	H.264 / M-JPEG
Rate Control	VBR (Variable Bit Rate) / CBR
Image Setting	Brightness, Exposure, Sharpness, Contrast, White Balance, Saturation, Hue Digital Zoom, WDR, 3D Noise Reduction
ICR	Auto, On, Off
Audio Specification	
Audio Codec	G.711, G.726
Audio I/O	MIC in, Line out
Audio Streaming	One-Way and Two-Way
Network and Configuration	
Network Standard	IEEE 802.3 / IEEE 802.3u / IEEE 802.3af
Network Protocol	IPv4 / IPv6, TCP/IP, UDP, RTP, RTSP, HTTP, HTTPS, ICMP, FTP, SMTP, DHCP, PPPoE, UPnP, IGMP, SNMP, QoS, ONVIF
Users	20
Security	HTTPS, IP Filter, IEEE 802.1X
Interface Specifications	
Network	1 x RJ-45 10/100 Base-TX
Storage Interface	Micro-SD, SDHC support
Video Out	1 x BNC video output (1.0 Vp-p / 75 Ω, BNC)
Audio Out	1 x Line Out (phone jack, 3.5 mm)
Audio In	1 x Mic In (phone jack, 3.5 mm)
Alarm	4 pins terminal block, pitch 3.5mm
System Integrate	
Application Programming Interface	Open API for software integration and SDK
Digital Input	1 x Digital Input (5V 10kΩ pull up)
Digital Output	1 x Digital Output (Photo Relay Output 300VDC/AC)
Alarm Triggers	Intelligent video motion detection and external input
Motion Detection	10 zone video motion detection
Alarm Events	File upload via FTP, email and save to MicroSD Card
Event Notification	HTTP, FTP, SMTP
Multiple Languages	English, French, German, Italian, Korean, Simplified Chinese, Russian
Environment Specifications	
Power Connector	3 pins terminal block
Power System*	DC 12V, 1 A AC 24V 0.6A IEEE 802.3af (PoE)
Dimension (W x D x H)	80.0 x 165.0 x 52.4 mm
Weight	360g
Power Consumption	6W (500mA) max
PoE Consumption	6W Max
Operating Temperature	0 ~ 40 Degree C
Operating Humidity	10 ~ 90% (non-condensing)
Emission	CE, FCC

Viewing System	
OS	Windows® XP, 2000/ Vista 32/64bit , Win 7 32/64bit
Browser	Microsoft ® Internet Explorer 7.0 or later, Chrome, Firefox, Safari
Software	
Monitor / Recording / Management	PLANET CV3P (4-ch Cam Viewer 3 Pro Trail Version) PLANET CV3L (64-ch Cam Viewer 3 Lite Bundle Version)
Search & Installation	Planet Device Search

Remark: * The ICA-HM710 only requires either one of the power requirement in the list.

ORDERING INFORMATION

ICA-HM710	10x Optical Zoom WDR IP Camera
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RELATED PRODUCTS

ICA-HM718	18x Optical Zoom WDR IP Camera
ICA-HM126	Full HD H.264 Box IP Camera
ICA-HM126R	Full HD Real-Time H.264 Box IP Camera
FGSW-2620PVM	24-Port 10/100Mbps + 2- Gigabit TP/SFP Managed PoE Switch
FSD-804PS	8-Port 10/100Mbps with 4-Port PoE Web Smart Ethernet Switch
Professional / Central Management Software	
CV3P-4I8I16I36I64	4 ~ 64 Ch Cam Viewer 3 Professional Version