

# HD Ultra-mini Bullet IR IP Camera



## HD Superior Video Quality

PLANET ICA-3110 PoE IP Camera provides high resolution images for round-the-clock surveillance over IP networks. It supports H.264, JPEG compression formats and delivers excellent picture quality in HD resolutions at 30 frames per second (fps). It is perfect for remote and discreet monitoring of indoor areas such as homes, small businesses, boutiques, restaurants, hotels, residences, etc.

## Camera

- 1/4" progressive scan CMOS sensor
- 0.2 lux Minimum Illumination at F1.8
- Maximum resolution 1280 x 800
- Easily-recessed mount design
- Convenient nano-design blends in nicely with any surrounding
- Built-in 7 IR LEDs for IR monitoring distance of up to 5 meters

## Video / Audio

- H.264 and M-JPEG video compression simultaneously
- Simultaneous Multi-H.264 streams support
- H.264 main profile and baseline profile
- Max. resolution of 1 mega-pixel at 30fps
- DNR to improve picture quality at low Lux
- WDR Enhancement function strengthens visibility under extremely bright or dark environments
- 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 IPv6 in addition to IPv4
- Built-in Samba client for NAS
- RTSP / UPnP / 3GPP / HTTPS protocols selectable
- 3GPP for 3G mobile remote applications
- Access anytime & anywhere for PLANET easy DDNS

## Easy Installation & Management

- ONVIF compliant for interoperability
- Tamper and motion detection for unauthorized changes
- Micro SD card local video recording supported
- Easy configuration and management via Windows-based utility or web interface
- Cam Viewer 3 Central management software supported
- Digital Input/Output for integration with sensors and alarms



*Mini Design for Easy Installation*

The ICA-3110 is an ultra lightweight IP camera in compact size, thus offering a quick and simple installation on the ceilings or walls inside of houses and buildings. Installation can be finished in less than 60 seconds.



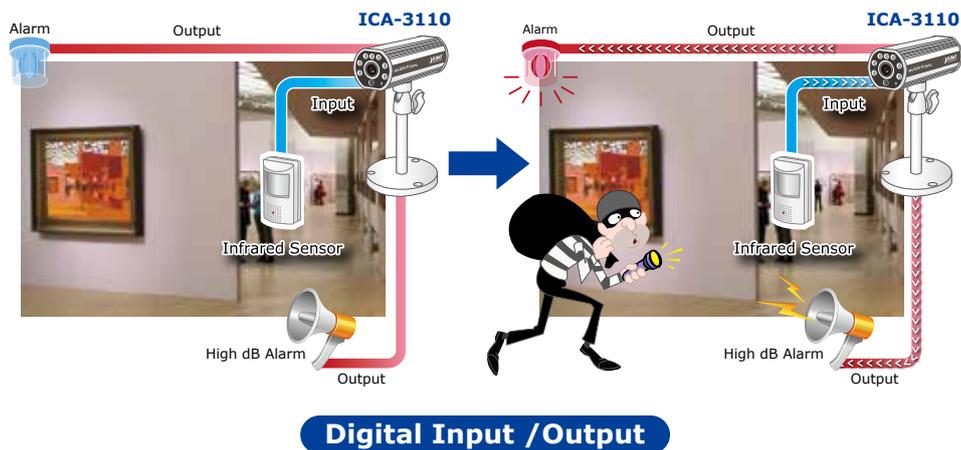
*Exceptional Image Quality*

Together with powerful image processing attributes like Wide Dynamic Range (WDR) and Dimension Noise Reduction (DNR) technologies, the ICA-3110 is able to filter the intense backlight surrounding a subject and remove noises from video signal. The result is that an extremely clear and exquisite picture quality can be produced even under any challenging lighting conditions.



*Advanced Event Management*

The ICA-3110 supports a number of advanced features to enhance surveillance flexibility and event management capabilities. The advanced features include inputs/outputs for connecting to external devices such as door sensors and relays to activate light or closed doors.



*Full Surveillance during Day & Night Functionality*

For a clear surveillance image both in the day and night, the ICA-3110 built-in 7 IR LEDs can offer IR distance of up to 5 meters. Its 720P resolution makes the image still clear even at night.

The ICA-3110 also is equipped with ICR 2.8mm / F1.8, and auto-iris function which can automatically adjust the amount of light that passes through the lens. Thus, the ICA-3110 is able to maintain clear images 24 hours a day.



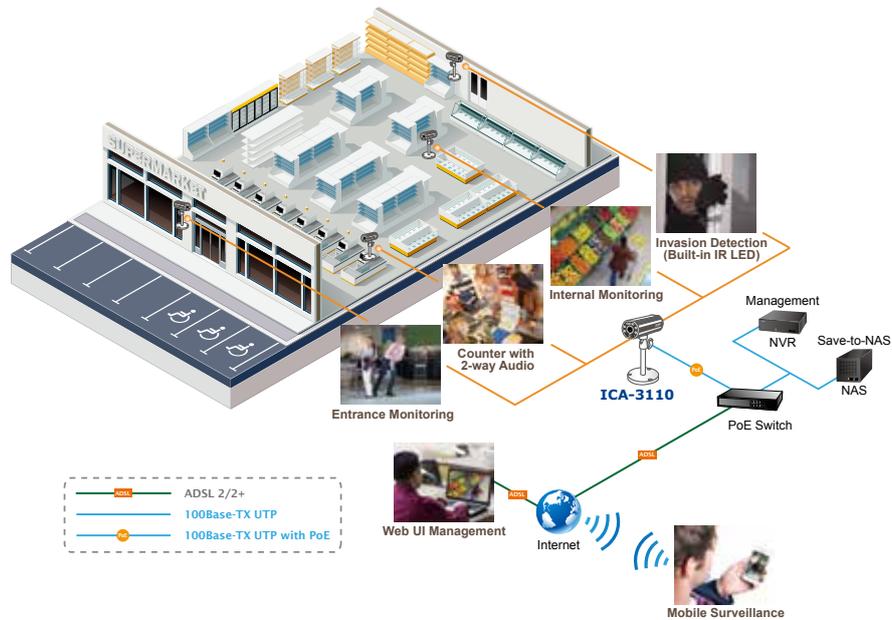
*Flexible Installation and Power Functionality*

The ICA-3110 incorporates IEEE 802.3af Power over Ethernet technology and can be powered from a PoE Switch or PoE injector via the network, which eliminates the need for power cables and reduces installation costs. The ICA-3110 is ONVIF-compliant and therefore interoperable with other brands in the market, greatly supporting users to integrate with their existing surveillance network. In addition, the ICA-3110 includes 64-CH central management software for efficient monitoring. The ICA-3110 is indisputably the top choice for reliable and high performance surveillance.



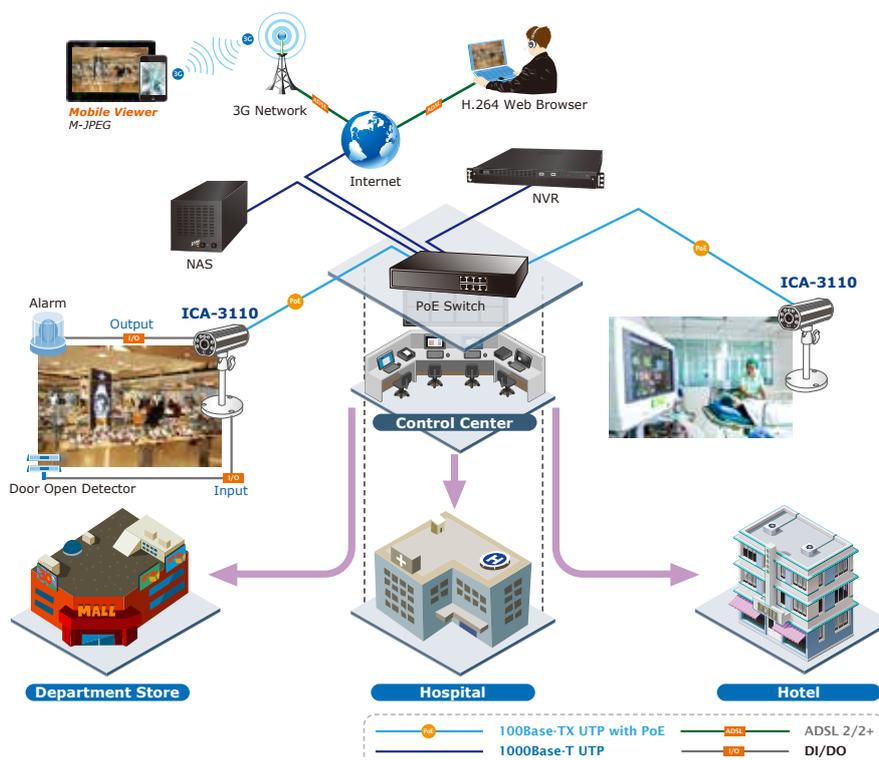
## Application

PLANET ICA-3110 can perform in various surveillance applications. With 720P, IR LED and handy design, besides home, you also can install it in any counter, hallway, and the exit and entrance of any small indoor public area. To make sure the baby's safety lasts for the whole day, the ICA-3110, ideal for the baby's room, comes with built-in 2-way audio which definitely makes the protection of the baby more secure.



Its Save-to-NAS and Save-to-SD card 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.

Of course, this nice camera supports 802.3af PoE interface and facilitates the indoor surveillance applications without worrying the electric source. With so many features offered, the ICA-3110 no doubt is your best choice for indoor surveillance solution.



## Specifications

Model	ICA-3110
<b>Camera</b>	
Image Device	1/4" progressive scan CMOS sensor
Lens	Fixed lens 2.8mm, F1.8 Angle of view : horizontal: 77.78 degrees / vertical: 49.55 degrees
Min Illuminator	Color : 0.2 Lux (AGC ON) B / W: 0.1 Lux (AGC ON)
Electronic Shutter	Auto, 1 / 5 ~ 1 / 10,000 sec
Effective Pixels	1280 x 800 pixels
LEDs	7 LEDs, 850nm
IR distance	5 meters
<b>Video</b>	
Video Compression	H.264 / M-JPEG
Video Resolutions	Fixed lens 2.8mm, F1.8 Angle of view : horizontal: 77.78 degrees / vertical: 49.55 degrees
Frame Rate	Up to 30fps for all resolution
Image Setting	Brightness, Contrast, Hue, Saturation, Sharpness, AGC, Shutter Time, Sense-up, D-WDR, Anti Fog, Lens Distortion Correction, Flip, Mirror, Day&Night adjustable, Red Gain and Blue Gain, Denoise
Streaming	Simultaneously multi-profile streaming M-JPEG streaming over HTTP Supports 3GPP mobile surveillance Controllable frame rate and bandwidth Constant and variable bit rate (H.264)
<b>Audio</b>	
Audio Streaming	2-way Audio
Audio Compression	RTSP: G.711 64kbps, G.726 32, 24kbps 3GPP: AMR
Microphone	Built-in microphone input
Audio Output	3.5mm phone jack
<b>Network and Configuration</b>	
Network Standard	IEEE 802.3 10Base-T IEEE 802.3u 100Base-TX
Protocol	IPv6, IPv4, HTTP, HTTPS, SNMP, QoS/DSCP, Access list, IEEE 802.1X, RTSP, TCP/IP, UDP, SMTP, FTP, PPPoE, DHCP, DDNS, NTP, UPnP, 3GPP, SAMBA, Bonjour
Security	Password protection, IP address filtering, HTTPS encrypted data transmission, 802.1X Port-based authentication for network protection, QoS/DSCP
Users	10 clients on-line monitoring at the same time
<b>System Integration</b>	
Application Programming Interface	Open SDK/API for software integration ONVIF Compliant
Alarm Triggers	Intelligent video motion detection and external input 3-zone video motion detection
Alarm Events	File upload via FTP, Samba, SD card or email External output activation
<b>General</b>	
Power Requirement	IEEE 802.3af Class 3
Power Consumption	PoE Max: 2.88W (IR ON); 2.23W (IR Off)
Operating Temperature	0 ~ 45 degrees C
Operating Humidity	10 ~ 95% (non-condensing)
Weight	135g
Dimensions (Φ x L)	44 x 95 mm
Emission	CE, FCC
Connectors	10/100 Mbps Ethernet, RJ-45 Terminal block for 1 alarm input, 1 output and factory default reset Micro SD/SDHC card (Max. 32GB, Class 6)

## Ordering Information

ICA-3110	HD Ultra-mini Bullet IR IP Camera
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## Related Products

ICA-3200	Full HD Ultra-mini Bullet IP Camera
ICA-5250	Full HD Ultra-mini Vandal Dome
ICA-HM131	H.264 Full-HD Fixed Dome IP Camera
ICA-HM312	2 Mega-pixel 25M IR Outdoor Bullet PoE IP Camera
ICA-HM316	2 Mega-pixel Outdoor IR PoE IP Camera
ICA-HM316W	2 Mega-pixel 11n Outdoor IR IP Camera
ICA-3250V	Full HD Outdoor IR PoE IP Camera
ICA-3350V	3 Mega-pixel Vari-focal Bullet IR IP Camera
ICA-3550V	5 Mega-Pixel Outdoor IR PoE IP Camera
NVR-420	4-Ch Network Video Recorder with HDMI
NVR-810	8-CH Network Video Recorder
NVR-1610	16-CH Network Video Recorder
NVR-3210	32-CH Network Video Recorder
NVR-3250	32-Ch Rack Mount Network Video Recorder
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
CV3-M1024	1024-Channel Central Management Software
FSD-504HP	4-Port 10/100Mbps 802.3af/at PoE + 1-Port 10/100Mbps Desktop Switch (60 Watts)