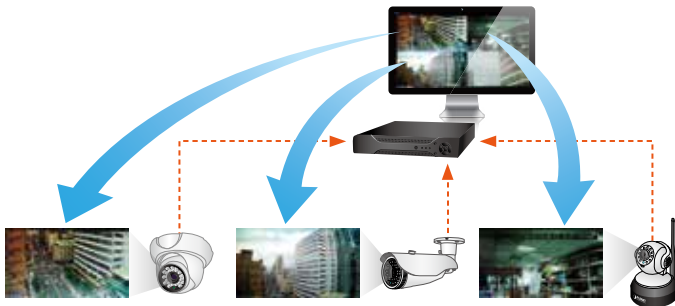# 720p Wireless IR PT IP Camera

Compact and Cost-effective 720p HD Surveillance

PLANET ICA-W7100 is easily and conveniently installed anywhere as it is compact in size. It Incorporates 1 megapixel resolution sensors, and supports H.264 compression format, thus delivering excellent picture quality in up to 1280 x 720 pixels (720p) at 30 frames per second. In addition, there is also a 10/100 Mbps network connection and an Micro SD slot for storage. Along with the motion detection function and the function of the pan-tilt camera, you can safely and reliably observe larger areas. Complying with ONVIF, the ICA-W7100 is therefore interoperable with the third brand camera in the market, which greatly supports users to integrate with their existing surveillance network.

ONVIF **Protocol for Surveillance Integration**

Day & Night Surveillance

The ICA-W7100 brings the clearest vision at night by featuring 0.1 lux illumination and the 11 IR LEDs built around the lens. It offers color pictures both in the day time and night time with the built-in CMOS sensor supporting up to 10 meters. The ICA-W7100 is able to maintain clear images 24 hours a day.

Camera

- 1/4" progressive CMOS sensor
- 3.6mm fixed lens
- 0.1 lux minimum illumination at F1.2
- Maximum resolution 1280 x 720
- Built-in 11 IR illuminators, effective up to 10 meters

Video / Audio

- H.264 video compression
- Simultaneous multi-stream support
- Max. resolution 720p at 30fps
- 2DNR to improve picture quality at low lux
- 2-way audio support with enhanced audio quality

Network and Configuration

- IEEE 802.11n wireless LAN capability
- WEP / WPA / WPA2-PSK wireless security
- Auto MDI/MDI-X supported
- RTSP / DDNS / FTP protocols selectable

Easy Installation & Management

- ONVIF compliant for interoperability
- Intelligent motion detection alarm triggering
- Micro SD/SDHC card for event recording supported
- Digital input/output for integration with sensors and alarms
- Easy configuration and management via Windows-based utility or web interface

Exceptional Image Quality

Together with powerful image processing attributes like Wide Dynamic Range (WDR) and Dimensional Noise Reduction (DNR) technology, the ICA-W7100 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.

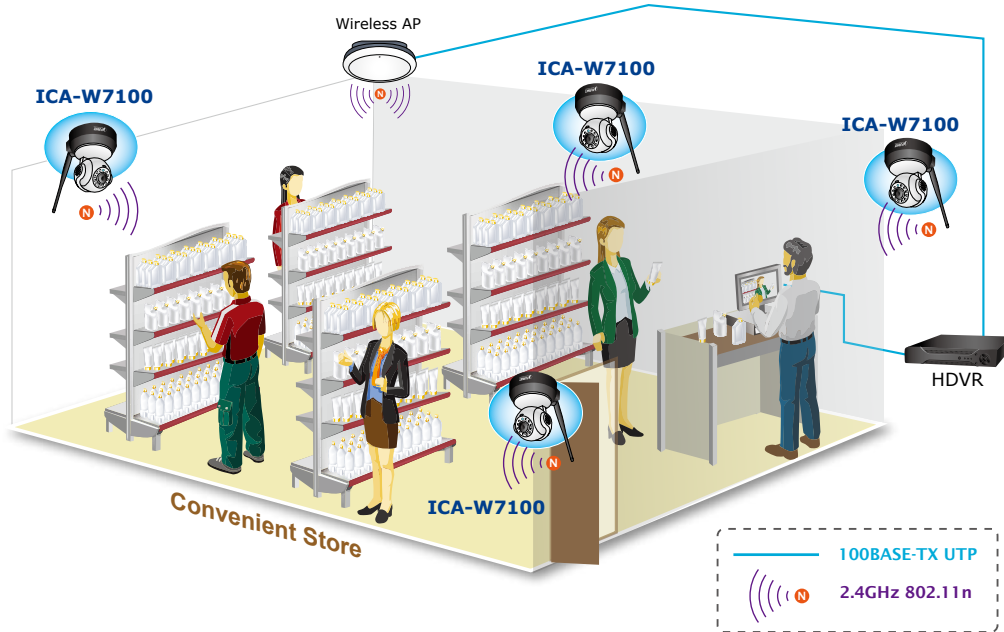## *Advanced Event Management*

Users can save consecutive videos in local storage and events on memory card and thus you never have to miss an important moment. Users can set their area of interest to only detect motion in that area, thus greatly reduces the number of unnecessary alarms. The ICA-W7100 also offers 2-way audio surveillance; therefore, the administrator can speak to anyone at the ICA-W7100 remote site with a speaker connected.
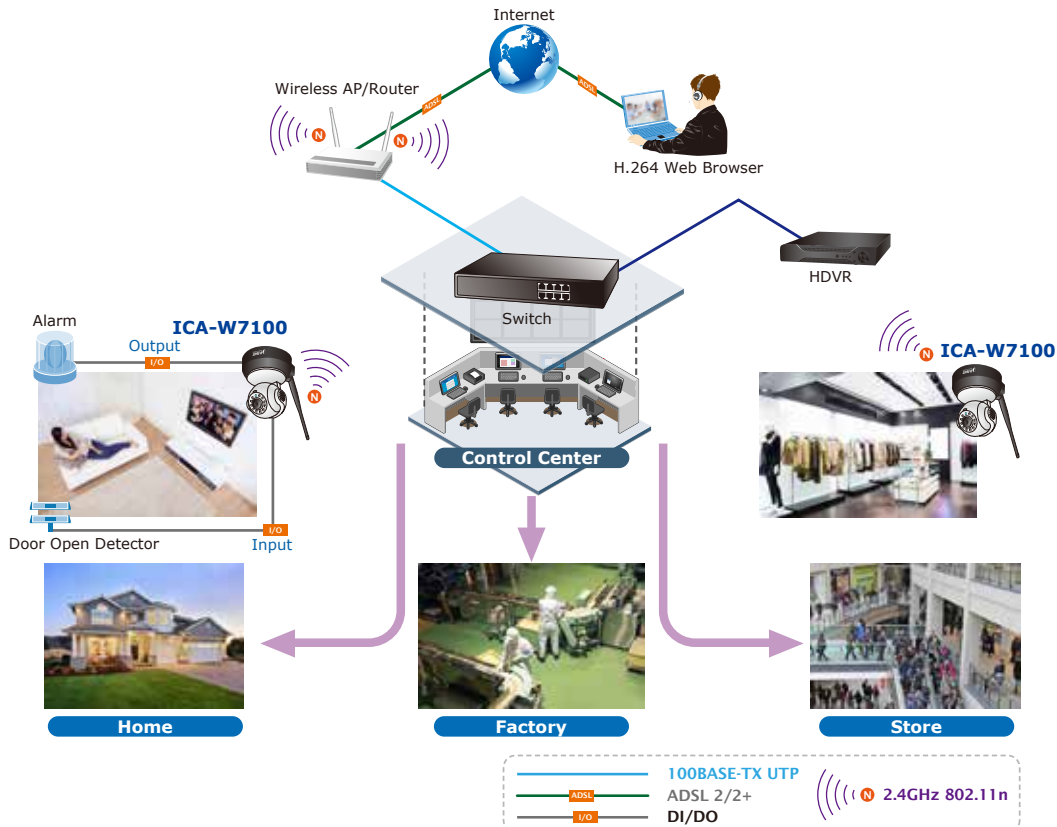
2-way Audio

Flexible Installation with 11n Wireless Connectivity

The ICA-W7100 adopts IEEE 802.11n wireless technology to communicate at up to 150Mbps wireless signal rate and ensures secure transmission with WEP and WPA encryptions. The wireless N functionality enables rapid integration into the wireless network and offers a flexible choice of the site.
The ICA-W7100 is indisputably the ideal choice for reliable and high-performance surveillance.

Applications

PLANET ICA-W7100 is a highly cost-effective wireless IP camera designed for home monitoring. It provides clear identification of objects and people, so it perfectly satisfies surveillance needs from all aspects such as homes, small businesses, boutiques, restaurants, hotels and residences, etc.

Specifications

Product	ICA-W7100
Camera	
Image Device	1/4" 1mega-pixel CMOS image sensor
Lens	Fixed lens 3.6mm, F1.4 **Angle of view:** Horizontal: 75 degrees Vertical: 55 degrees
Effective Pixels	1280 x 720
Min Illumination	Color: 0.1 lux @ F1.2 B/W: 0 lux (IR on)
LED	Built-in IR LED x 11, effective up to 10 meters *The IR distance is based on the environment
Angle of Pan	0~355 degrees
Angle of Tilt	0~90 degrees
Video	
Video Encoder	H.264
Video Resolution	Main Stream (H.264): 1280 x 720 / 720 x 576 / 640 x 480 Sub Stream (H.264): 720 x 576 / 640 x 480 / 352 x 288 / 320 x 240 / 174 x 144
Frame Rate	Up to 30fps for all resolutions
Image Setting	2D noise reduction Color, brightness, contrast Mirror / Rotate 4 privacy masks Text, time and date overlay
Streaming	Simultaneous multi-streaming Streaming over UDP, TCP, or HTTP Controllable frame rate and bandwidth Constant and variable bit rate
Audio	
Audio Streaming	2-way audio
Audio Compression	PCM, G.711ALAW, G.711ULAW
Microphone	Internal microphone
Audio Output	Adjustable audio output gain
Network and Configuration	
Network Standard	IEEE 802.3 10BASE-T IEEE 802.3u 100BASE-TX IEEE 802.11 b/g/n
Network Protocol	IPv4, TCP/IP, HTTP, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, SMTP, 802.1X
Antenna Connector	RP-SMA Female
Frequency	2.4GHz
RF Transmit Power	802.11b mode: 20 dbm 802.11g mode: 17 dbm 802.11n mode: 17 dbm
RF Receiver Sensitivity	802.11b (11Mbps): -85dbm 802.11g (54Mbps): -68dbm 802.11n (20MHz): -68dbm 802.11n (40MHz): -68dbm
RF Data Rate	802.11b: 11Mbps 802.11g: 54Mbps 802.11n (20MHz): up to 72Mbps 802.11n (40MHz): up to 150Mbps
Security	Password protection; WEP, WPA-PSK and WPA2-PSK encryptions
Users	2 clients on-line monitoring at the same time
System Integration	
Application Programming Interface	ONVIF compliant
Alarm Triggering	Motion Detection External Input
Alarm Events	Event snapshot uploads via FTP Event recording uploads via SD card Notification via email, HTTP External output activation

Environment	
Power Requirements	5V DC, 10W max.
Power Consumption	Up to 7.8W (IR & PT on)
Operating Temperature	-10 ~ 50 degrees C
Operating Humidity	20 ~ 85% (non-condensing)
Dimensions (W x D x H)	103 x 106 x 131mm
Weight	305g
Emission	CE, FCC
Connectors	10/100 Mbps Ethernet, RJ-45 DC power jack Terminal block for 1 alarm input and 1 output Audio out MicroSD/SDHC card (max 32GB) Factory default reset

Ordering Information

ICA-W7100	720p Wireless IR PT IP Camera

Related Products

ICA-3150	720P IR Bullet PoE IP Camera
ICA-4150	720P IR Dome PoE IP Camera
ICA-HM101W	2 Mega-pixel Wireless Cube IP Camera
ICA-HM101	2 Mega-pixel PoE Cube IP Camera
ICA-W1200	Full HD Wireless Cube IP Camera
ICA-1200	Full HD PoE Cube IP Camera
ICA-W8100	Wireless Cube Fish-Eye IP Camera
ICA-W8100-CLD	Wireless Fish-Eye Cloud IP Camera
HDVR-430	4 Channel Hybrid Digital Video Recorder
HDVR-830	8 Channel Hybrid Digital Video Recorder
HDVR-1630	16 Channel Hybrid Digital Video Recorder
CV4-M256	256-Channel Central Management Software