Full HD Outdoor IR Wireless IP Camera

Superb Full HD Outdoor Surveillance

PLANET ICA-W3250V IP Camera with IR Illuminator provides high-resolution images 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). It is also equipped with a mounting bracket that conceals all cables within for easy management and waterproof purposes. The ICA-W3250V is an ideal solution for outdoor surveillance applications such as buildings, roads, parking areas, garages, railway stations and airports.

Full HD Resolution

Suitable for Various Applications

To adapt to different environments, the ICA-W3250V comes with corridor mode, which enables the camera to change video frame from horizontal to vertical, i.e. from 16:9 to 9:16. Corridor mode will maximize video surveillance in narrow situations. It also creates a perfect, high-quality vertical video when the ICA-W3250V is installed at hotel, hospital, roads, tunnels, and many other applications.

Camera

- 1/2.7" 2MP progressive scan CMOS sensor
- 3~10.5 mm vari-focal, DC auto-iris lens
- Minimum illumination at F1.2, 0.01 lux
- Maximum resolution 1920 x 1080
- 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
- Up to 30fps for all resolutions
- 3DNR to improve picture quality at low lux
- WDR enhancement function strengthens visibility under extremely bright or dark environments
- Two-way audio support with enhanced audio quality
- Change video field to vertical in corridor mode
- Colorful video in dark conditions
- Anti fog and lens distortion correction

Network and Configuration

- IEEE 802.11n wireless LAN capability
- Auto MDI/MDI-X supported
- Supports both IPv6 and IPv4 protocols
- RTSP / UPnP / 3GPP / HTTPS protocols selectable

Easy Installation & Management

- ONVIF compliant for interoperability
- Built-in 35 IR illuminators, effective up to 25 meters
- IP66 outdoor classifications with cable management bracket for rigorous environment
- Built-in Samba client for NAS
- Save files to SD card once network connection is lost
- Digital Input/Output for integration with sensors and alarms
- PLANET Smart Discovery Lite, Cam Viewer 3 central management software supported

Normal Mode

Corridor Mode

Exceptional Image Quality with Vari-focal Lens

With 3-10.5mm vari-focal lens, the ICA-W3250V meets various demands of installation. For instance, traffic monitoring can be focused either on more than two lanes or just one specified lane, It brings an extremely clear and exquisite picture quality.

Advanced Event Management

The ICA-W3250V supports a number of advanced features to enhance surveillance flexibility and event management capabilities. The advanced features include auto-iris for improving the image quality to avoid overexposure, audio in/out interface for two-way audio function, and digital input/output for connecting to external devices such as door sensors and relays to activate light or close doors.

2-way Audio

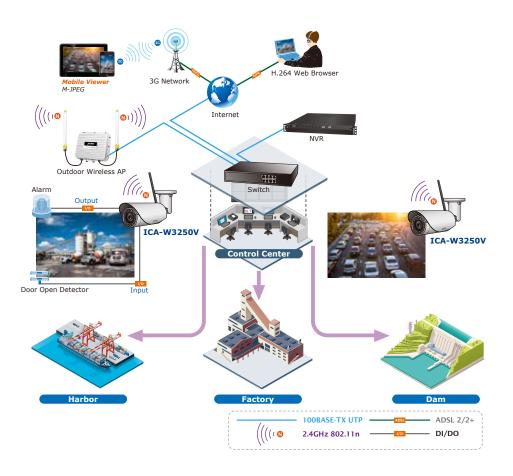*Flexible Installation with 11n Wireless Connectivity*

The ICA-W3250V 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.

Furthermore, the IP66-rated housing protects the ICA-W3250V against rain and dust and ensures stable operation under extreme weather conditions. The ICA-W3250V is indisputably the top choice for reliable and high-performance surveillance.

IP66 Weatherproof
For the Most Extreme Environments

Applications

PLANET ICA-W3250V 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-W3250V supports IEEE 802.11n wireless technology, and facilitates the outdoor surveillance applications without worrying the extreme weather conditions.

Specifications

Model	ICA-W3250V
Camera	
Image Device	1/2.7" 2mega-pixel CMOS sensor
Effective Pixels	1920 x 1080@30fps
Sensitivity	Color: 0.05 lux (AGC ON) B / W: 0.01 lux (AGC ON)
Lens	3 ~ 10.5mm vari-focal lens with auto iris and IR-cut filter/ F1.4
View Angle	H: 34.89~106.72 degrees V: 19.38~61.26 degrees
Video	
Video Encoder	H.264 and Motion JPEG simultaneously
Video Profile	- H.264 1080p / 720p / VGA / QVGA / QCIF - JPEG 1080p / 720p / VGA / QVGA / QCIF - 3GPP VGA / QVGA / QCIF
Frame Rate	HD-1080p / 720p / VGA / QVGA / QCIF up to 30fps
Image Setting	Brightness, Contrast, Hue, Saturation, Sharpness, AGC, Shutter Time, Sense-Up, WDR, Anti Fog, Lens Distortion Correction, Flip, Mirror, Noise Reduction, White Balance, Day & Night adjustable
Streaming	Simultaneous multi-profile streaming M-JPEG streaming over HTTP Supports 3GPP mobile surveillance Controllable frame rate and bandwidth Constant and variable bit rate (H.264)
Audio	
Audio Encoder	RTSP: G.711 / G.726
Audio Streaming	Two-way
Microphone	Phone jack
Audio Output	Phone jack
Network and Configuration	
Network Standard	IEEE 802.3 / IEEE 802.3u
Supported Protocols	IPv4, IPv6, TCP, UDP, HTTP, HTTPS, SMTP, FTP, NTP, DNS, PLANET DDNS/ PLANET Easy DDNS, 802.1X, SNMP, DHCP, UPnP, RTSP, RTP, RTCP, PPPoE, 3GPP, ICMP
Security	Password protection, user access log, https
Users	10 simultaneous unicast users
Ethernet	10/100Mbps auto negotiation
Antenna	5dBi Dipole Antenna
Antenna Connector	RP-SMA Female
Frequency	2.4GHz
Wireless Channels	America - FCC: 2.414~2.462GHz (11 Channels) Europe - ETSI: 2.412~2.472GHz (13 Channels) Japan - TELEC: 2.412~2.484GHz (14 Channels)
RF Transmit Power	OFDM: 15 dBm CCK: 17 dBm
Output Power	802.11b: 17dBm (default) +/- 1dBm 802.11g: 14dBm (default) +/- 1dBm 802.11n: 14dBm (default) +/- 1dBm
Receiver Sensitivity	802.11b→1Mbps: -83dBm 11Mbps: -76dBm 802.11g→6Mbps: -82dBm 54Mbps: -65dBm 802.11n (BW20)→MCS0: -82dBm MCS7: -65dBm 802.11n (BW40)→MCS0: -79dBm MCS7: -61dBm
Data Rate	802.11b Standard Data Rates: 1, 2, 5.5 and 11Mbps 802.11g Standard Data Rates: 6, 9, 12, 18, 24, 36, 48, 54Mbps 802.11n Standard Data Rates: Legacy and High Throughput Modes, supporting 20 / 40MHz Bandwidth MCS0~7 (150Mbps PHY Rate)
Wireless Security	WEP, WPA-PSK and WPA2-PSK encryptions
System Integration	
Application Programming Interface	Open API for software integration SDK ONVIF compliant

Alarm Triggering	Intelligent video motion detection and external input
Motion Detection	3-zone video motion detection
Alarm Events	File upload via FTP, email and SAMBA. External output activation Configurable pre/post alarm buffering
Video Buffer	Pre-5sec and post-10sec alarm buffering
General	
Power Supply	12V DC external power adapter
Power Consumption	12V DC: 4W (IR Off); 8W (IR On)
Illumination LED	IR LEDs
IR LED	Infrared LED × 35pcs
IR Wavelength	850nm
IR Distance	25m
Protection Class	IP66 classification
Operating Temperature	-10 ~ 50 degrees C
Operating Humidity	20 ~ 80% (non-condensing)
Dimensions (Φ x L)	83 x 180 mm
Weight	1350g
Viewing System	
OS	Windows® XP, Vista 32bit, Win7 32bit, Server 2003
Browser	IE 8.0 or latter
Cell Phone	With 3GPP player
Video Player	VLC, Quick Time, Real Player
Software	
Monitor/ Recording / Management	PLANET CV3P (4-ch Cam Viewer Three Pro Trail Version) PLANET CV3L (64-ch Cam Viewer Three Lite Bundled Version)
Search & Installation	PLANET Smart Discovery Lite

Ordering Information

ICA-W3250V	Full HD Outdoor IR Wireless IP Camera

Related Products

ICA-3150	720P IR Bullet PoE IP Camera
ICA-3250V	Full HD Outdoor IR PoE IP Camera
ICA-3260	60fps Full HD IR Bullet IP Camera
ICA-3550V	5 Mega-pixel Outdoor IR PoE 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-3210	32-Ch Network Video Recorder
NVR-3250	32-Ch Rack-mount Network Video Recorder
NVR-3280	32-Ch Rack-mount Network Video Recorder with 8-Bay Hard Disks
CV3-M1024	1024-Channel Central Management Software

ICA-W3250V