5 Mega-Pixel Outdoor IR PoE IP Camera

Professional, High Resolution, Day and Night Network Camera

PLANET ICA-3550V Network Camera with IR Illuminator is a high resolution camera for round-the-clock surveillance over IP networks. This camera supports H.264, MPEG-4, and JPEG compression formats and delivers excellent picture quality in 5 mega-pixel resolutions at 15 frames per second (fps) and full HD resolutions at 30 fps. For easy management and waterproofing, the ICA-3550V is also equipped with a mounting bracket that conceals all cables within. The IP66-rated housing protects the camera body against rain and dust and ensures operation under extreme weather conditions, which makes it an ideal solution for outdoor applications, e.g. surveillance of buildings, roads, parking areas, garages, railway stations, airports and more.

Day & Night Functionality

To adapt to constantly changing lighting conditions, the ICA-3550V comes with a removable IR-cut filter and built-in IR illuminators, which enable the camera to provide color video when there is sufficient light, and black/white video in dark conditions. The ICA-3550V is able to maintain clear images 24 hours a day.

Camera
- 1/3.2" 5MP progressive scan CMOS sensor
- 3~9 mm vari-focal, DC auto-iris lens
- 0 lux minimum illumination at F1.8
- Maximum resolution 2592 x 1944
- Removable IR-cut filter for Day & Night function

Video / Audio
- H.264 / MPEG-4 and M-JPEG video compression simultaneously
- Simultaneous multi-stream support
- H.264 high profile, main profile and baseline
- Max. resolution of 1080P at 30fps and 5 mega-pixel at 15fps
- 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

Network and Configuration
- Compliant with IEEE 802.3af PoE interface for flexible deployment
- Auto MDI/MDI-X supported
- Supports IPv6 in addition to IPv4
- 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
- 3GPP for 3G mobile remote applications
- Micro SD card local video recording supported
- Digital Input/Output for integration with sensors and alarms
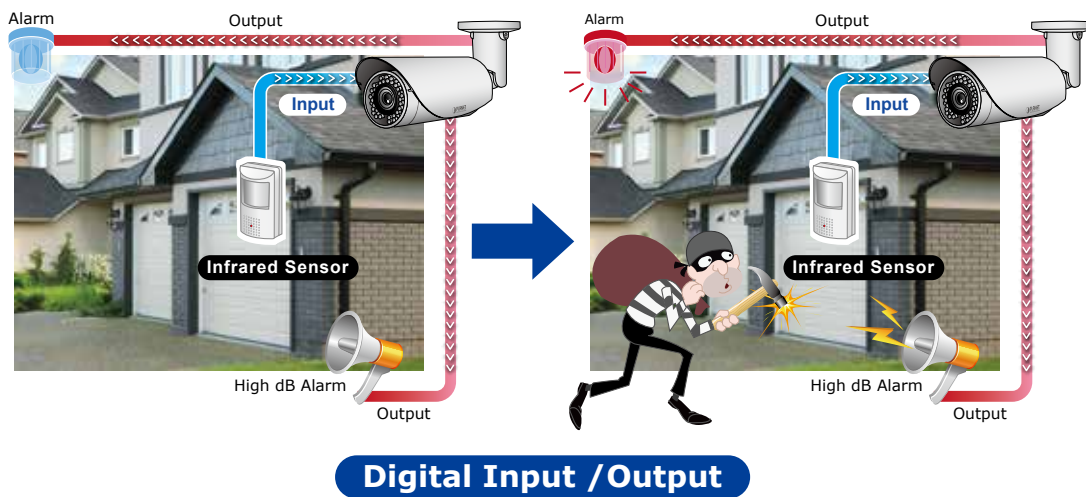- Cam Viewer 3 Central Management software supported

Exceptional Image Quality

Together with powerful image processing attributes like Wide Dynamic Range (WDR) and 3-Dimensional Noise Reduction (3DNR) technology, the ICA-3550V 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-3550V 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 over exposure, AV out for two-way audio function, and inputs/outputs for connecting to external devices such as door sensors and relays to activate light or close doors.

Flexible Installation and Powerful Functionality

The ICA-3550V incorporates IEEE 802.3af Power over Ethernet technology and can be powered from a PoE Switch via the network, which eliminates the need for power cables and reduces installation costs. The ICA-3550V is ONVIF-compliant and therefore interoperable with other brand's products in the market, greatly supporting users to integrate with their existing surveillance network. In addition, the ICA-3550V includes 64-CH central management software for efficient monitoring. The ICA-3550V is indisputably the top choice for reliable and high performance surveillance.
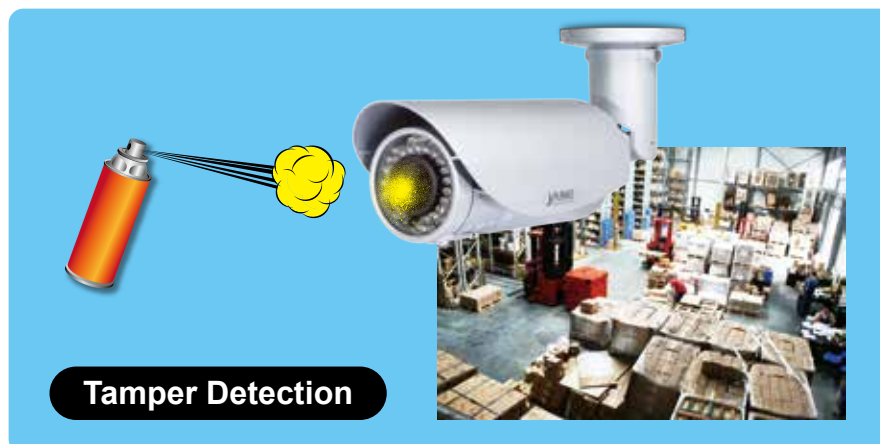

IP66 Weatherproof
For the Most Extreme Environments

Vari-Focal and Camera Tampering Detection Offers the Best Recording Flexibility

The ICA-3550V incorporates the mega-pixel vari-focal Lens, which has the option of selecting a high millimeter setting for narrow viewing fields or a low millimeter setting for wider viewing fields. The ICA-3550V is also provided with three individually configurable motion detection zones. The camera can record video or trigger alarms or alerts when camera image is tampered.
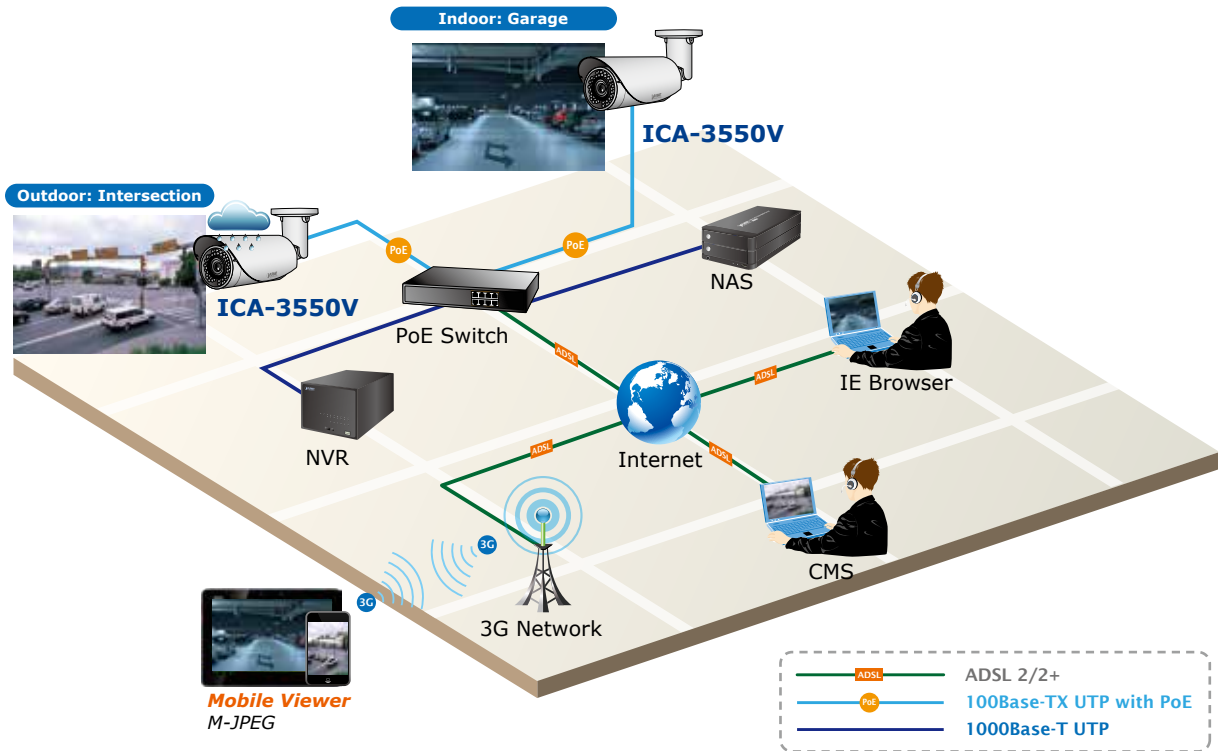

Vari-Focal lens for available focal lengths

Tamper Detection

Applications

PLANET ICA-3550V 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-3550V supports 802.3af PoE interface and facilitates the outdoor surveillance applications without worrying the electric source area.

Specifications

Model	ICA-3550V
Camera	
Image Device	1/3.2" 5 mega-pixel progressive scan CMOS Sensor
Lens	Vari-focal 3~9 mm, DC auto-iris Mechanical IR-cut filter Angle of view : horizontal: 27.31 ~ 75.24 degrees / vertical: 19.09 ~ 54.16 degrees
Min Illuminator	0 Lux @ F1.8
IR Illumination LED	IR LED*35, 850nm Built-in IR illuminators, effective up to 25 meters
Effective Pixels	2592 x 1944 pixels
Image	
Video Encoder	H.264 / MPEG-4 / M-JPEG
Video Profile	H.264: 2592 x 1944 / 1080P / 720P / QXGA / UXGA / 1280 x 960 / VGA / QVGA / QCIF M-JPEG: 2592 x 1944 / 1080P / 720P / QXGA / UXGA / 1280 x 960 / VGA / QVGA / QCIF MPEG4: VGA / QVGA / QCIF (Only for 3GPP)
Frame Rate	5MP up to 15fps Full HD up to 30fps
Image Setting	Brightness, sharpness, contrast, AGC, night mode Text, time and date overlay
Streaming	Simultaneously multi-profile streaming M-JPEG streaming over HTTP Supports 3GPP mobile surveillance Controllable frame rate and bandwidth Constant and variable bit rate (MPEG4 / H.264)
Audio	
Audio Streaming	Two-way audio
Audio Encoder	RTSP: G.711 / G.726 3GPP: AMR
Microphone	External microphone input
Audio Output	Phone jack
Network and Configuration	
Network Standard	IEEE 802.3 10Base-T IEEE 802.3u 100Base-TX
Supported Protocols	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 simultaneous unicast users
System Integration	
Application Programming Interface	Open API for software integration SDK
Alarm Triggers	Intelligent video motion detection and external input 3-zone video motion detection
Alarm Events	File upload via FTP, email and SAMBA External output activation Configurable Pre/Post alarm buffering
General	
Encryption Security	12V DC, 1A IEEE 802.3af Class 0
Power Consumption	DC 12V Max: 6.48W (IR On); 4.2W (IR Off) PoE Max: 8.16W (IR on); 5.28W (IR Off)
Housing	Weather-proof IP66-rated housing
Operating Temperature	-20 ~ 50 degrees C
Operating Humidity	20 ~ 80% (non-condensing)

Weight	1062g
Dimensions (Φ x L)	83 x 180 mm
Emission	CE, FCC
Connectors	10/100 Mbps Ethernet, RJ-45
	DC power jack
	Terminal block for 1 alarm input , 1 output and factory default reset
	External mic input
	Audio out
	Micro SD/SDHC card (max 32GB, class 6)
	Composited video out

Ordering Information

ICA-3550V	5 Mega-Pixel Outdoor IR PoE IP Camera

Related Products

ICA-3250V	Full HD Outdoor IR PoE IP Camera
ICA-HM316	2 Mega-Pixel Outdoor IR PoE IP Camera
ICA-HM316W	2 Mega-Pixel 11n Outdoor IR IP Camera
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
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
CV3-M1024	1024-Channel Central Management Software

ICA-3550V