

# 5 Mega-pixel Vandalproof IR IP Camera



### High Resolution, Professional Day and Night Network Camera

PLANET ICA-5550V PoE IP Camera with IR Illuminator provides high resolution images for round-the-clock surveillance over IP networks. It 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. The ICA-5550V is also equipped with IP66-rated and IK-10 vandalproof housing to protect the camera body against rain and dust and ensure 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 and airports.

### 5 Mega-Pixel Resolution



### Day & Night Functionality

To adapt to constantly changing lighting conditions during the day and night, the ICA-5550V 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 camera is able to maintain clear images 24 hours a day.



### Camera

- 1/3.2" 5 mega-pixel 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
- 3DNR to improve picture quality at low lux
- WDR Enhancement for enhanced 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 protocol in addition to IPv4
- RTSP / UPnP / 3GPP / HTTPS protocols selectable

### Easy Installation & Management

- ONVIF compliant for interoperability
- Built-in 18 IR illuminators, effective up to 20 meters
- IK-10 / IP66 classification with vandal and weather proof
- 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-Dimension Noise Reduction (3DNR) technology, the ICA-5550V 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-5550V also supports a number of advanced features that give the camera increased flexibility and capabilities, including auto-iris for improving the image quality to avoid over exposure, AV out for performing the two-way audio function and inputs/outputs for connecting external devices, such as door sensors and relays to activate light or closed doors.

**Digital Input /Output**  
**For External Sensor in and Alarm out**



*Flexible Installation and Power Functionality*

The ICA-5550V incorporates Power over Ethernet so that the camera can be powered via the Ethernet cable, eliminating the need for power cables and reducing installation costs. The ICA-5550V is ONVIF-compliant and therefore interoperable with other manufacturer's products. It also includes 64-CH central management software. The ICA-5550V is indisputably the top choice for reliable and high performance surveillance.



*Vari-focal and Camera Tampering Detection Offers the Best Recording Flexibility*

The ICA-5550V 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-5550V provides three individually configurable motion detection zones. The camera can record video or trigger alarms or alerts when camera image is tampered.

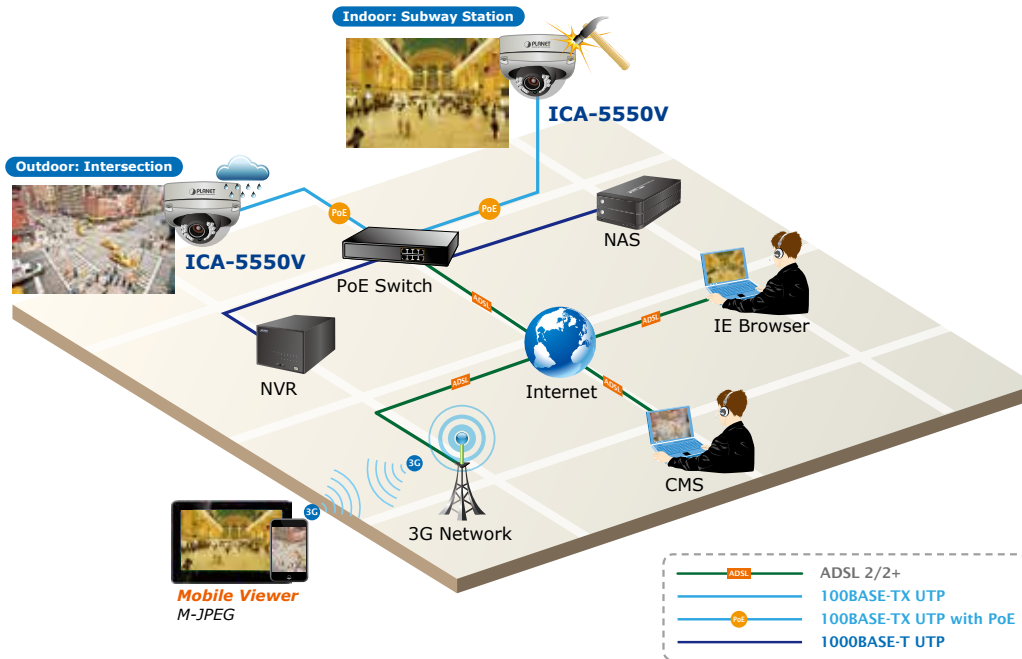


**Vari-focal lens for available focal lengths**



## Applications

PLANET ICA-5550V 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-5550V supports 802.3af PoE interface and facilitates the outdoor surveillance applications without worrying the electric source.



## Specifications

Product	5 Mega-pixel Vandalproof IR IP Camera
Product	ICA-5550V
<b>Hardware Specification</b>	
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 <b>Angle of view :</b> Horizontal: 28.9~93.59 degrees Vertical: 22.3~71.5 degrees
Min Illuminator	0 lux @ F1.8
IR Illumination LED	IR LED*18, 850nm Built-in IR illuminators, effective up to 20 meters
Effective Pixels	2592 x 1944 Pixels@15fps
<b>Video</b>	
Video Encoder	H.264 / MPEG-4 / M-JPEG
Video Profile	H.264: 2592 x 1944 / QXGA / UXGA / 1080P / 1280 x 960 / 720P / VGA / QVGA / QCIF M-JPEG: 2592 x 1944 / QXGA / UXGA / 1080P / 1280 x 960 / 720P / VGA / QVGA / QCIF MPEG-4: VGA / QVGA / QCIF (Only for 3GPP)
Frame Rate	Up to 30fps for Full HD resolution Up to 15fps for 5 Mega-Pixel resolution
Image Setting	Brightness, Contrast, Hue, Saturation, Sharpness, AGC, Shutter Time, Sense-Up, WDR, 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 (MPEG-4 / H.264)
<b>Audio</b>	
Audio Streaming	Two-Way Audio
Audio Encoder	RTSP: G.711 / G.726 3GPP: AMR
Microphone	Terminal block
Audio Output	Terminal block



Network and Configuration	
Network Standard	IEEE 802.3 10Base-T IEEE 802.3u 100Base-TX
Supported Protocols	IPv4, IPv6, TCP, UDP, HTTP, HTTPS, SMTP, FTP, NTP, DNS, DDNS, DHCP, UPnP, RTSP, RTP, RTCP, PPPoE, 3GPP, ICMP
Security	Password protection, user access log
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	
Power Supply	12V DC, 1A IEEE 802.3af Class 3
Power Consumption	DC 12V Max: 5.64W (IR On); 4.2W (IR Off) PoE Max: 6.72W (IR on); 5.28W (IR Off)
Housing	IK-10 / IP66 classification with vandal and weather proof
Operating Temperature	-20 ~ 50 degrees C
Operating Humidity	20 ~ 80% (non-condensing)
Dimensions (W x D x H)	126 x 126 x 100 mm
Weight	881 g
Emission	CE, FCC
Connectors	10/100Mbps Ethernet, RJ-45 DC power jack Factory default reset Micro SD/SDHC card (Max. 32GB, Class 6) Composited video out (Max. resolution: D1 720 x 480 pixel) Terminal block for 1 alarm input, 1 output, external MIC input and audio out

## Ordering Information

ICA-5550V	5 Mega-pixel Vandalproof IR IP Camera
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## Related Products

ICA-5250V	Full HD Vandalproof IR IP Camera
ICA-HM136	H.264 2 Mega-pixel 20M IR Vandalproof Dome 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

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ICA-5550V