

# 5 Mega-pixel Bullet IR PoE IP Camera with Extended Support



## Extended Support with Specific Software

PLANET E-series of IP cameras, ICA-E3550V and ICA-E5550V, are able to provide advanced surveillance monitoring applications with specific software such as video analyzing and vehicle license plate recognition. Firstly, through NVR-E6480, it can help users monitor and record images/videos from multiple cameras simultaneously by using a 64-Ch Windows-based NVR and is able to operate up to 64 channels with advanced features including event management and recording, tri-display monitoring, smart motion detection, PTZ control and e-map. Secondly, PLANET E-series of IP cameras support the CV7-VA, a software of video analytics that is designed to transform your video surveillance network into a smart detection system.

The software provides Enter Area, People Counting, Missing Object, Line Crossing, Unattended Object and Tamper functions. Once a suspicious activity is detected, users can play back to watch these events and use them as references or evidences if needed. Moreover, the cameras also support the CV7-LP video analytics software that is designed to detect and recognize vehicle license plates. This software is able to automatically locate and read license plates appearing in a certain area, and match this data against the database. It provides efficiency in parking and traffic control, as well as law enforcement.

## Extended Support with Specific Software

Intelligent Management



CV7-VA Software

Vehicle License Plate Recognition



CV7-LP Software

## Camera

- 1/3.2" 5 mega-pixel progressive scan CMOS sensor
- 2.8~12 mm vari-focal, fixed-iris lens
- 0.1 lux minimum illumination at F1.4
- Maximum resolution 2592 x 1944
- Removable IR-cut filter for Day & Night function

## Video and Audio

- H.264/MJPEG video compression
- 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
- Supports both IPv6 and IPv4 protocols
- RTSP/UPnP/Bonjour/HTTPS protocols selectable

## Easy Installation and Management

- ONVIF compliant for interoperability
- Built-in 15 IR illuminators, effective up to 30 meters
- IK10 and IP68 classification with vandal and weather proof
- Micro SD card local video recording supported
- Digital Input/Output for integration with sensors and alarms

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

PLANET ICA-E3550V Network Camera with IR Illuminator is a high-resolution camera for the round-the-clock surveillance over IP networks. This camera supports H.264 and MJPEG compression formats and delivers excellent picture quality in 5 mega-pixel resolutions at 15 frames per second (fps) and full HD resolutions at 30fps. The ICA-E3550V is also equipped with IP68-rated and IK10-rated vandalproof housing to protect 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, and airports.

**5 Mega-pixel Resolution**



*Day & Night Functionality*

To adapt to constantly changing lighting conditions during the day and night, the ICA-E3550V 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-E3550V is able to maintain clear images 24 hours a day.



*Exceptional Image Quality*

Together with powerful image processing attributes like Wide Dynamic Range (WDR) and 3-dimensional Noise Reduction (3DNR) technology, the ICA-E3550V 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-E3550V supports a number of advanced features to enhance surveillance flexibility and event management capabilities. The advanced features include 4 configurable regions of privacy mask to protect personal privacy, 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.

### 2-way Audio



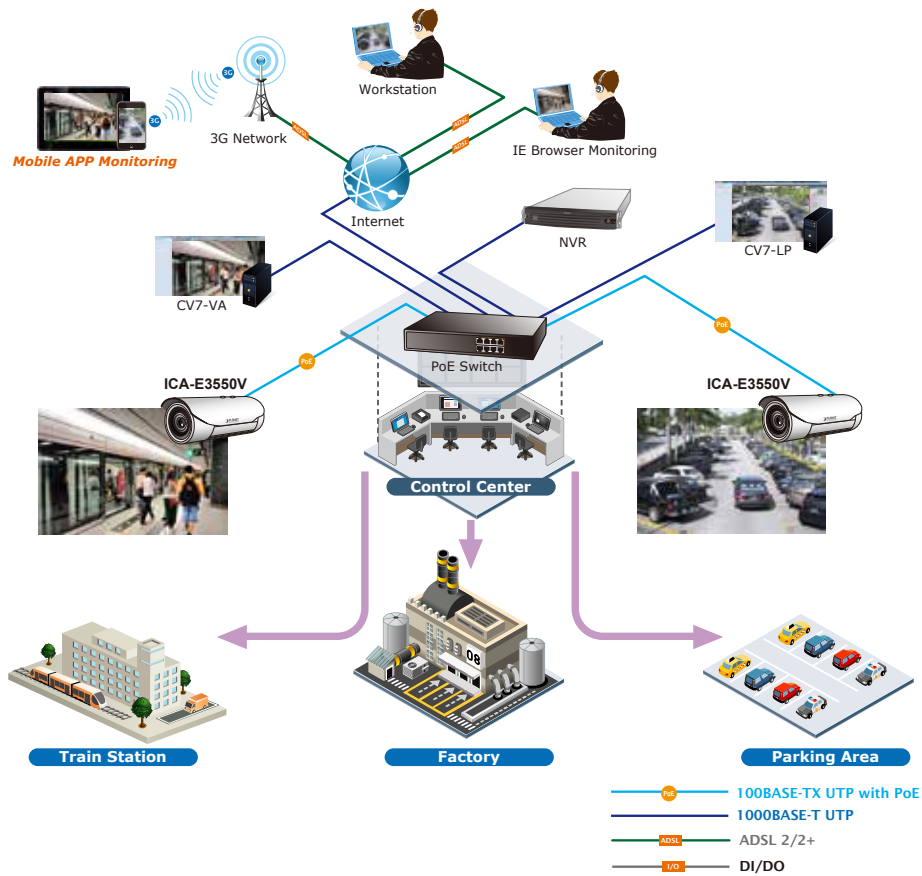
### Flexible Installation and Power Functionality

The ICA-E3550V 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-E3550V is ONVIF-compliant and therefore interoperable with other brands in the market, greatly supporting users to integrate with their existing surveillance network. The ICA-E3550V is indisputably the top choice for reliable and high performance surveillance.



## Applications

PLANET ICA-E3550V is a high resolution camera able to work with specific software for various applications. With CV7-LP software, the camera can recognize vehicle license plate and be deployed in parking areas, roads, even highway electronic toll collection (ETC), and more. In addition, through the CV7-VA intelligent video analysis software, the camera is able to track the moments of objects, count the number of objects or humans passing by a specific area, etc. It is suitable to be installed in warehouses, department stores and train stations. Moreover, the NVR-E6480 is designed to manage and monitor the camera. Besides local display, the NVR-E6480 allows users to access remotely via mobile app, IE browser and workstation. The NVR-E6480, working with the ICA-E3550V, is an ideal surveillance solution for factories, communities and stores. With the NVR-E6480, the ICA-E3550V helps you enhance your existing surveillance system while providing you with valuable monitoring information and benefits for business.



## Specifications

Model	ICA-E3550V
<b>Camera</b>	
Image Device	1/3.2" 5 mega-pixel progressive scan CMOS Sensor
Lens	Vari-focal 2.8~12 mm, fixed-iris Mechanical IR-cut filter Angle of view: horizontal: 28.2~69.2 degrees
Min Illuminator	0.1 lux @ F1.4
IR Illumination LED	IR LED*15, 850nm Built-in IR illuminators, effective up to 30 meters
Effective Pixels	2592 x 1944 pixels
<b>Image</b>	
Video Encoder	H.264/MJPEG
Video Profile	H.264: 2592 x 1944, 2048 x 1536, 1920 x 1080, 1280 x 720, 800 x 600, 640 x 480 MJPEG: 2592 x 1944, 2048 x 1536, 1920 x 1080, 1280 x 720, 800 x 600, 640 x 480
Frame Rate	5MP up to 15fps Full HD up to 30fps
Image Setting	Video Flipping/Video Mirroring, Brightness, Contrast, 3DNR, WDR (74dB)
Streaming	Simultaneous dual streams based on two configurations Controllable frame rate and bandwidth Constant and variable bit rate
<b>Audio</b>	
Compression	8KHz, mono, PCM, 16-bit encoding; G.711
Audio Input	Cable with 3.5mm phone jack
Audio Output	Cable with 3.5mm phone jack
<b>Network and Configuration</b>	
Network Standard	IEEE 802.3 10BASE-T IEEE 802.3u 100BASE-TX

Protocol and Service	TCP, UDP, HTTP, HTTPS, DHCP, PPPoE, RTP, RTSP, IPv6, DNS, PLANET DDNS, PLANET Easy DDNS, NTP, ICMP, ARP, IGMP, SMTP, FTP, UPnP, SNMP, Bonjour
Security	Password protection, IP address filtering, HTTPS encryption, anonymous login, 802.1X network access control
Users	10 simultaneous unicast users
<b>System Integration</b>	
Application Programming Interface	Software Development Kit (SDK) available; ONVIF compliant
Alarm Triggering	Video motion detection (3 regions)
Alarm Events	Notify control center; Change camera settings; Command other devices; E-mail notification with snapshots; Save video or snapshot to local storage; Upload video and snapshot to FTP server; Activate external device through digital output
<b>General</b>	
Power Supply	PoE Class 2 (IEEE 802.3af)
Power Consumption	PoE: 5.76W (IR On)
Housing	IK10 and IP68 classification with vandal and weather proof
Operating Temperature	-40 ~ 50 degrees C
Operating Humidity	10 ~ 85% (non-condensing)
Weight	955g
Dimensions (Φ x L)	77 x 218 mm
Emission	CE, FCC
Connectors	10/100 Mbps Ethernet, RJ45 Reset button Digital Input (1, Terminal block) Digital Output (1, Terminal block) Micro SDHC/Micro SDXC card slot (max. 32GB, class 10)

## Ordering Information

ICA-E3550V	5 Mega-pixel Bullet IR PoE IP Camera with Extended Support
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## Related Products

ICA-E5550V	5 Mega-pixel Vandalproof IR PoE IP Camera with Extended Support
CV7-VA Series	4/9-Channel Cam Viewer E-series for Intelligent Management
CV7-LP Series	2/4-Channel Cam Viewer E-series for Automatic License Plate Recognition
GS-4210-8P2S	8-Port 10/100/1000T 802.3at PoE + 2-Port 100/1000X SFP Managed Switch
FGSD-1008HPS	8-Port 10/100TX 802.3at PoE + 2-Port Gigabit TP/SFP Combo Web Smart Switch