ICA-E5550V

5 Mega-pixel Vandalproof 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 the CV7L PC-based software, it can help users monitor and record images/videos from multiple cameras simultaneously by using a single PC and is able to operate up to 16 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 / 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 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
- Supports both IPv6 and IPv4 protocols
- RTSP / UPnP / Bonjour / HTTPS protocols selectable

Easy Installation & Management

- ONVIF compliant for interoperability
- Built-in 15 IR illuminators, effective up to 30 meters
- IK-10 / IP66 classification with vandal and weatherproof
- Micro SD card for local video recording supported
- Digital Input/Output for integration with sensors and alarms
- Cam Viewer E-series software supported – CV7L, CV7-VA, CV7-LP
- Product Specifications

High Resolution, Professional Network Camera

PLANET ICA-E5550V Network Camera with IR Illuminator provides high resolution images 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 30 fps. The ICA-E5550V is also equipped with the IP66-rated and IK-10 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.

Day & Night Functionality

To adapt to constantly changing lighting conditions during the day and night, the ICA-E5550V 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.

Exceptional Image Quality

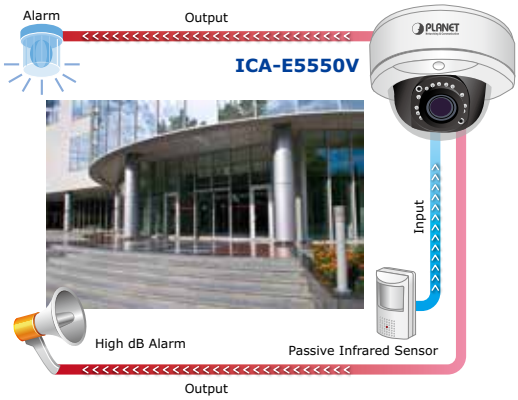
Together with powerful image processing attributes like Wide Dynamic Range (WDR) and 3-dimensional Noise Reduction (3DNR) technology, the ICA-E5550V is able to filter the intense backlight surrounding a subject and remove noises from video signal. The result is that an extremely clear and exquisite picture quality can be produced even under any challenging lighting conditions.

Advanced Event Management

The ICA-E5550V 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.

Digital Input /Output

For External Sensor in and Alarm out

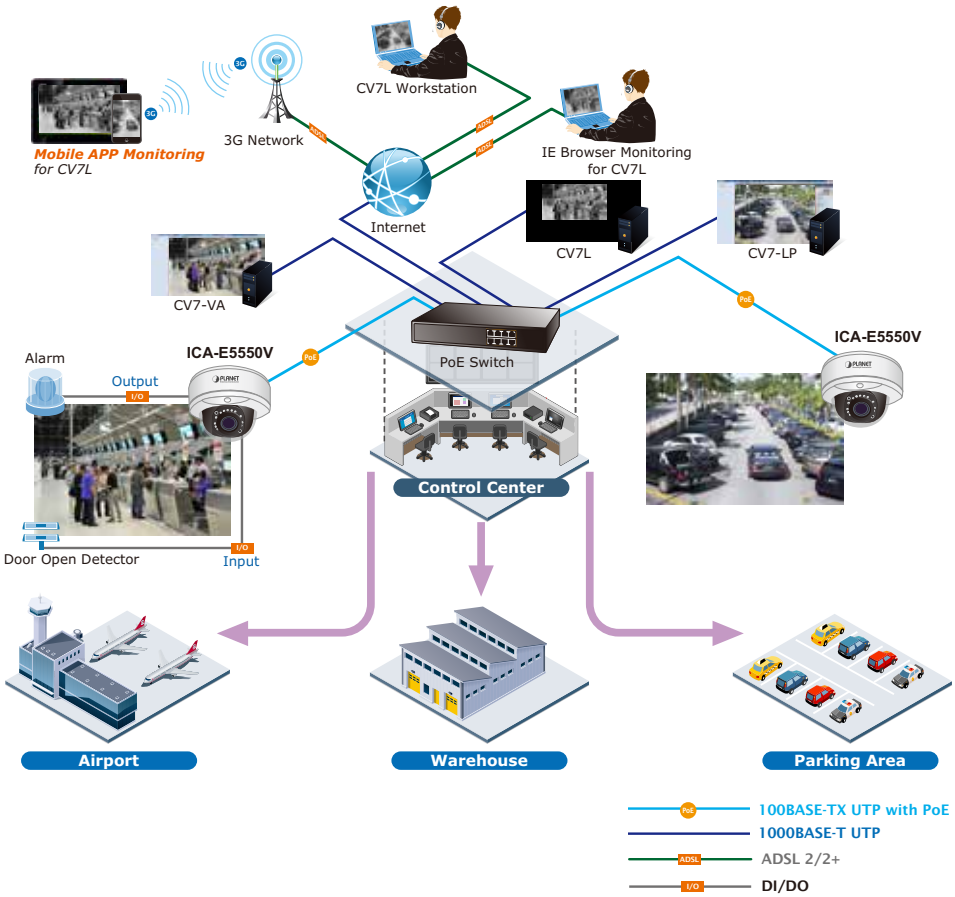


Flexible Installation and Power Functionality

The ICA-E5550V incorporates IEEE 802.3af Power over Ethernet technology so that the camera can be powered from a PoE sourcing equipment via the Ethernet cable, eliminating the need for power cables and reducing installation costs. The ICA-E5550V is ONVIF-compliant and therefore interoperable with other manufacturers' products. It also includes 16-Ch camera management software. The ICA-E5550V is indisputably the top choice for reliable and high performance surveillance.

Applications

PLANET ICA-E5550V is a high resolution camera and able to work with specific software for various applications. With the CV7-LP software, the camera can recognize vehicle license plate and be deployed in parking areas, roads, even high way 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, airports and train stations. Moreover, the CV7L video management software is designed to manage and monitor the camera. Besides local display, the software allows users to access remotely via mobile app, IE browser and workstation. The CV7L software, working with the ICA-E5550V, is an ideal surveillance solution for factories, communities and stores. With the above software, the ICA-E5550V helps you enhance your existing surveillance system while providing you with valuable monitoring information and benefits for businesses.



Specifications

Model	ICA-E3550V
Camera	
Image Device	1/3.2" 5 mega-pixel progressive scan CMOS sensor
Lens	Vari-focal 2.8~12 mm, fixed-iris lens Mechanical IR cut filter Angle of view: horizontal: 28.2~69.2 degrees
Mix 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
Video	
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 M-JPEG: 2592 x 1944 / 2048 x 1536 / 1920 x 1080 / 1280 x 720 / 800 x 600 / 640 x 480
Frame Rate	Up to 30fps for Full HD resolution Up to 15fps for 5 mega-pixel resolution
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
Audio	
Compression	8KHz, Mono, PCM, 16-bit encoding; G.711
Audio Input	Terminal block
Audio Output	Terminal block
Network and Configuration	
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
System Integration	
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
General	
Power Supply	PoE Class 2 (IEEE 802.3af)
Power Consumption	PoE: 6.49W (IR On)
Housing	IK-10 / IP66 classification with vandal and weatherproof
Operating Temperature	-40 ~ 50 degrees C
Operating Humidity	10 ~ 85% (non-condensing)
Weight	1032 g
Dimensions (Φ x H)	150 x 116 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-E5550V	5 Mega-pixel Vandalproof IR PoE IP Camera with Extended Support

Related Products

ICA-E3550V	5-Mega-pixel Bullet IR PoE IP Camera with Extended Support
CV7-LP Series	2/4-Channel Cam Viewer E-series for Automatic License Plate Recognition
CV7-VA Series	4/9-Channel Cam Viewer E-series for Intelligent Management
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

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