

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



## Full Surveillance with 360° Surround View

PLANET ICA-E8550 fisheye camera allows you to monitor all angles of a location indoors or outdoors using just one camera and thus saves lots of the traditional mechanical Pan/Tilt maintenance cost. The e-PTZ feature of the ICA-E8550 can allow user to zoom in, zoom out, and pan across your camera's video to survey a large area easily.

## 360° Panoramic Monitoring for Zero Dead Spot



## Professional, High-resolution Network Camera

The ICA-E8550 is a high-resolution camera for the round-the-clock surveillance. 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).

## Camera

- 5 mega-pixel progressive scan CMOS sensor
- 1.19 mm fix focal, fixed-iris lens
- 0.1 lux minimum illumination at F2.0
- Maximum resolution 2592 x 1944
- Built-in 3 high power IR illuminators, effective up to 15 meters
- 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 5 mega-pixel at 15fps
- 2DNR to improve picture quality at low lux
- WDR enhancement function strengthens visibility under extremely bright or dark environments

## Network and Configuration

- Compliant with IEEE 802.3af PoE interface for flexible deployment
- Supports both IPv6 and IPv4 protocols
- RTSP, UPnP, Bonjour and HTTPS protocols selectable

## Easy Installation & Management

- EN50155 certified for mobile surveillance
- NEMA 4X housing for rugged applications
- ONVIF compliant for interoperability
- IK-10, IP68 classification with vandal and weather proof
- Micro SD card local video recording supported
- Cam viewer E-series software supported – CV7L, CV7-VA, CV7-LP and Mobile app

## 5 Mega-pixel Resolution



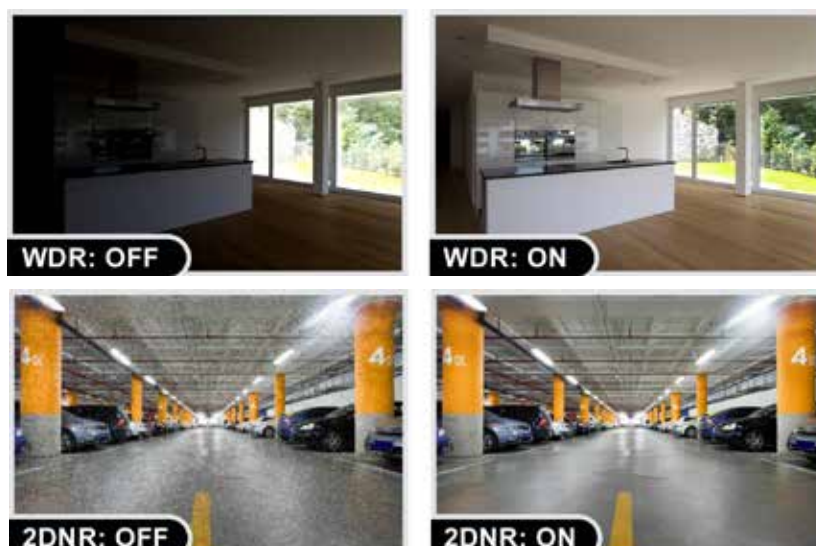
### Day & Night Functionality

To adapt to constantly changing lighting conditions during the day and night, the ICA-E8550 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-E8550 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 2-dimensional Noise Reduction (2DNR) technology, the ICA-E8550 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.



*Ideal Surveillance Camera for Rolling Stock Applications*

Designed for railway and other rugged applications, the ICA-E8550 with NEMA 4X housing is EN50155 certified. It is adapted to withstand vibrations, humidity, dust and temperature fluctuations particularly designed for mass transit vehicles.



*High-level Outdoor Protection*

With the IK10-rated vandal-proof metal casing and enhanced transparent cover, the ICA-E8550 ensures resistance against impacts. Its housing is also IP68-rated to protect the camera body against rain and dust, and ensures the camera can be operated under extreme weather conditions.



*Extended Support with Specific Software*

The ICA-E8550 IP camera is able to provide advanced surveillance monitoring applications with specific software such as video analyzing. It supports PLANET 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.

## Intelligent Management



**CV7-VA Software**

*Flexible Installation and Power Functionality*

The ICA-E8550 incorporates IEEE 802.3af Power over Ethernet technology and can be powered from a PoE switch or injector via the network, which eliminates the need for power cables and reduces installation costs. In addition, the ICA-E8550 is ONVIF-compliant and therefore interoperable with other brands in the market, greatly supporting users to integrate with their existing surveillance network.

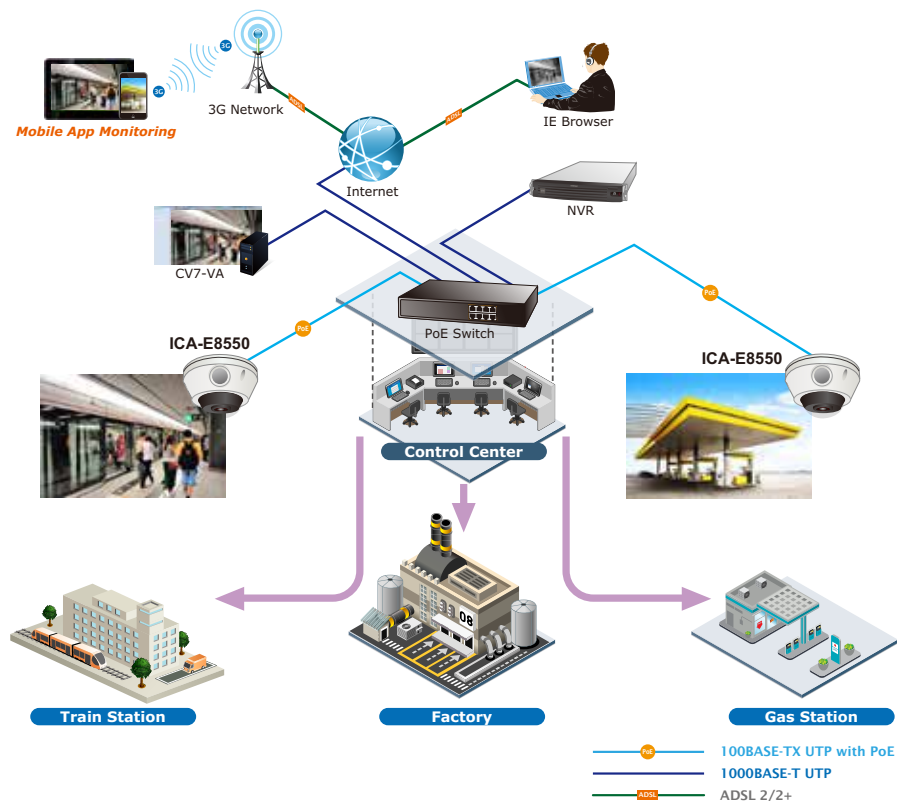


## Applications

PLANET ICA-E8550 is a high-resolution camera able to work in various surveillance environments, especially the rolling stock applications, to deliver 360° panoramic clear images. With so many features offered, the ICA-E8550 no doubt is your best choice for indoor surveillance solution.



Through the CV7-VA intelligent video analysis software, the camera can 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. The ICA-E8550 helps you enhance your existing surveillance system while providing you with valuable monitoring information and benefits for business.



## Specifications

Model	ICA-E8550
<b>Camera</b>	
Image Device	5 mega-pixel progressive scan CMOS Sensor
Lens	Fix focal, f1.19 mm/F2.0, fixed-iris Mechanical IR-cut filter Angle of view: 360 degrees
Min. Illuminator	Color: 0.1 lux @ F2.0(30 IRE, 2400°K) B/W: 0 lux (IR on)
IR Illumination LED	Adaptive IR LED x 3, 850nm Built-in IR illuminators, effective up to 15 meters
Effective Pixels	2592 x 1944 pixels
Electronic Shutter	1/5~1/32000 sec
<b>Image</b>	
Video Encoder	H.264, MJPEG
Video Profile	H.264: 2592 x 1944, 2048 x 1536, 1440 x 1080, 1280 x 960, 800 x 600, 640 x 480, 320 x 240 MJPEG: 2592 x 1944, 2048 x 1536, 1440 x 1080, 1280 x 960, 800 x 600, 640 x 480, 320 x 240
Frame Rate	Up to 15fps for all resolutions
Image Setting	Video Flipping/Video Mirroring, Brightness, Contrast, 2DNR, WDR (74dB), Exposure, White Balance, OSD, Privacy Mask (4 regions)
Streaming	Simultaneous dual streams based on two configurations Controllable frame rate and bandwidth Constant and variable bit rate
<b>Audio</b>	
Compression	PCM, G.711 (A-law and $\mu$ -law)
Audio Input	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), sound detection
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
<b>General</b>	
Power Supply	PoE Class 2 (IEEE 802.3af)
Power Consumption	PoE: 5.04W (IR On)
Housing	IK-10, IP68 classification with vandal and weather proof, NEMA 4X, EN50155 certification with vibration proof
Operating Temperature	-20 ~ 50 degrees C
Operating Humidity	10 ~ 85% (non-condensing)
Weight	469g
Dimensions (Φ x L)	115 x 70 mm
Emission	CE, FCC
Connectors	10/100 Mbps Ethernet, RJ45 Reset button Micro SDHC/micro SDXC card slot (max. 32GB, class 10)

## Ordering Information

ICA-E8550	5 Mega-pixel Outdoor IR PoE Fisheye IP Camera with Extended Support
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## Related Products

ICA-E3550V	5 Mega-pixel Bullet IR PoE IP Camera with Extended Support
ICA-E5550V	5 Mega-pixel Vandalproof IR PoE IP Camera with Extended Support
ICA-E6260	2 Mega-pixel PoE Plus Speed Dome IP Camera with Extended Support
ICA-E6265	2 Mega-pixel IR PoE Plus Speed Dome IP Camera with Extended Support
NVR-E6480	64-Ch Windows-based Network Video Recorder with 8-Bay Hard Disks
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-4210-48P4S	48-Port 10/100/1000T 802.3at PoE + 4-Port 100/1000BASE-X SFP Managed Switch (440W)
FGSD-1008HPS	8-Port 10/100TX 802.3at PoE + 2-Port Gigabit TP/SFP Combo Web Smart Switch

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ICA-E8550