

# Full HD Vandalproof IR IP Camera



### Superb Full HD Outdoor Professional Surveillance

PLANET ICA-5250V PoE IP Camera with IR Illuminator provides high-resolution images for the round-the-clock surveillance over IP networks. It supports H.264 and JPEG compression formats and delivers excellent picture quality in Full HD resolutions at 30 frames per second (fps). The ICA-5250V can change video frame from horizontal to vertical, i.e. from 16:9 to 9:16, which is great for corridors. The ICA-5250V is also equipped with IP66-rated and IK-10 vandalproof housing which protects the camera body against rain and dust, and ensures operation under extreme weather conditions, thus making it an ideal solution for outdoor applications, e.g., surveillance of buildings, roads, parking areas, garages, railway stations and airports.

### Full HD Resolution



### Camera

- 1/2.7" 2 mega-pixel progressive scan CMOS sensor
- 3~9 mm vari-focal, DC auto-iris lens
- Minimum illumination at F1.8, 0 lux
- Maximum resolution 1920 x 1080
- Removable IR-cut filter for day & night function

### Video / Audio

- Simultaneous H.264 and M-JPEG video compression
- Simultaneous multi-stream support
- H.264 high profile, main profile and baseline
- Up to 30fps for all resolutions
- 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
- Change video field to vertical in corridor mode
- Color video in dark conditions
- Anti fog and lens distortion correction

### Network and Configuration

- Compliant with IEEE 802.3af PoE interface for flexible deployment
- Auto MDI/MDI-X supported
- Supports both IPv6 and IPv4 protocols
- 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
- Save files to SD card once when network connection is lost
- Digital Input/Output for integration with sensors and alarms
- Cam Viewer 3 central management software supported

*Day & Night Functionality*

To adapt to constantly changing lighting conditions during the day and night, the ICA-5250V 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. It can also select color video in dark conditions. The camera is able to maintain clear images 24 hours a day.



*Exceptional Image Quality*

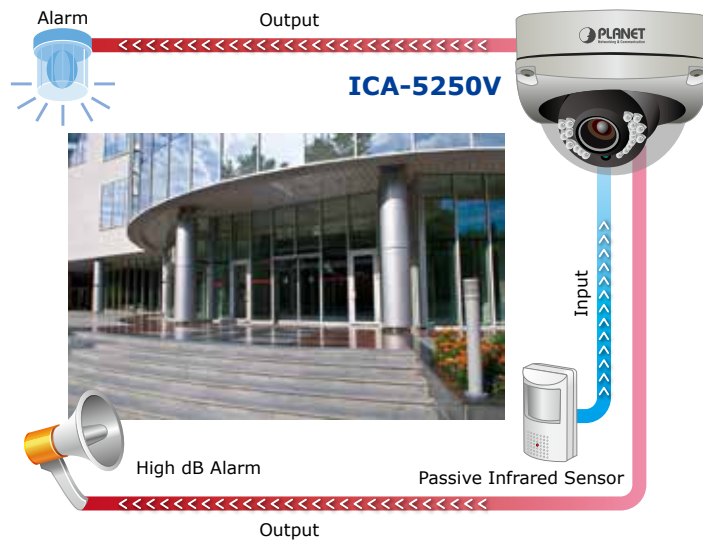
Together with powerful image processing attributes like Wide Dynamic Range (WDR) and 3-Dimensional Noise Reduction (3DNR) technology, the ICA-5250V is able to filter the intense backlight surrounding a subject and remove noises from video signal. The result is that an extremely clear and exquisite picture quality can be produced even under any challenging lighting conditions.



*Advanced Event Management*

The ICA-5250V 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 close doors.

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



*Flexible Installation and Power Functionality*

The ICA-5250V 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-5250V is ONVIF-compliant and therefore interoperable with other manufacturers' products. It also includes 64-CH central management software. The ICA-5250V is indisputably the top choice for reliable and high-performance surveillance.



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

The ICA-5250V incorporates the mega-pixel vari-focal lens, which has the options of selecting a high millimeter setting for narrow viewing fields or a low millimeter setting for wider viewing fields. The ICA-5250V provides three individually configurable motion detection zones. The camera can record video or trigger alarms or alerts when camera image is tampered.

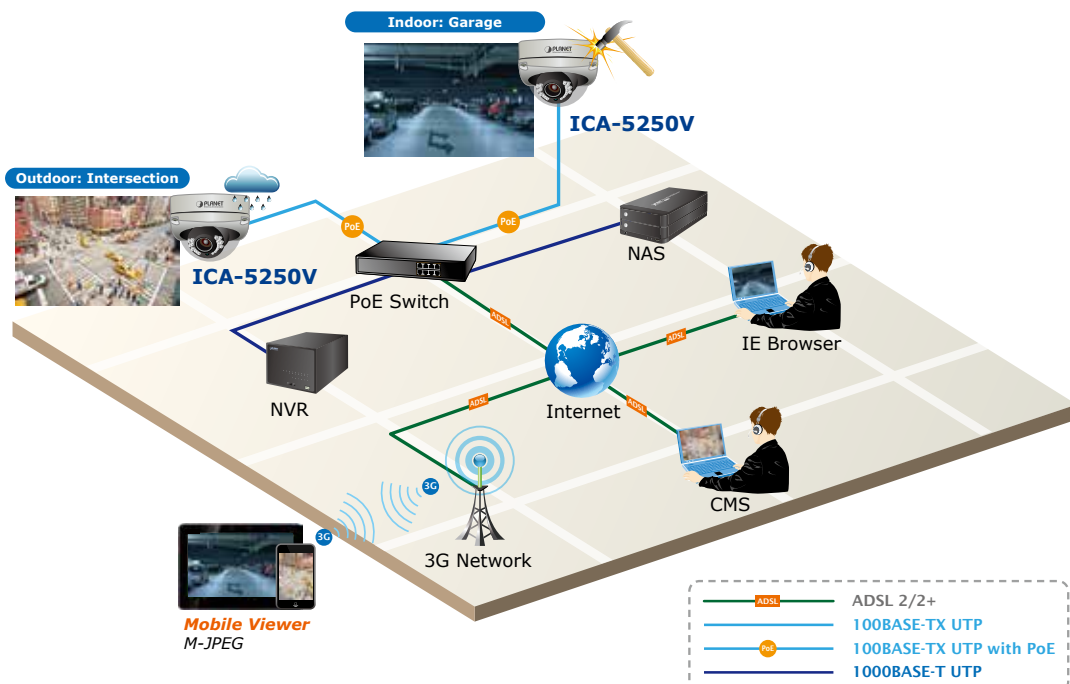


**Vari-focal lens for available focal lengths**



## Applications

PLANET ICA-5250V 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-5250V supports 802.3af PoE interface and facilitates the outdoor surveillance applications without worrying the electric source.





## Specifications

Model	ICA-5250V
<b>Camera</b>	
Image Device	1/2.7" 2 mega-pixel progressive scan CMOS sensor
Lens	Vari-focal 3~9 mm@F1.8, DC auto-iris Mechanical IR-cut filter Angle of view: horizontal: 31.3~104.5 degrees/vertical: 17.1~59.6 degrees
Min Illuminator	Color: 0.05 lux (AGC ON) B / W: 0.01 lux (AGC ON)
IR Illumination LED	IR LED*18, 850nm Built-in IR illuminators, effective up to 20 meters
Effective Pixels	1920 x 1080 @30fps
<b>Video</b>	
Video Encoder	H.264 / M-JPEG
Video Profile	H.264: 1080p / 720p / VGA / QVGA / QCIF M-JPEG: 1080p / 720p / VGA / QVGA / QCIF 3GPP: VGA / QVGA / QCIF (H.264)
Frame Rate	Up to 30fps for all resolutions
Image Setting	Brightness, Contrast, Hue, Saturation, Sharpness, AGC, Shutter Time, Sense-Up, WDR, Anti Fog, Lens Distortion Correction, 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 (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
<b>Network and Configuration</b>	
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, 802.1x, SNMP, DHCP, UPnP, RTSP, RTP, RTCP, PPPoE, 3GPP, ICMP
Security	Password protection, user access log
Users	10 simultaneous unicast users
<b>System Integration</b>	
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
<b>General</b>	
Power Supply	12V DC, 1A IEEE 802.3af Class 3
Power Consumption	12V DC (max): 3.84W (IR On); 2.52W (IR Off) PoE (max): 4.8W (IR on); 3.36W (IR Off)
Housing	IK-10 / IP66 classification with vandal and weather proof
Operating Temperature	-20 ~ 50 degrees C
Operating Humidity	20 ~ 80% (non-condensing)
Weight	890 g
Dimensions (W x D x H)	126 x 126 x 100mm
Emission	CE, FCC
Connectors	10/100 Mbps Ethernet, RJ45 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-5250V	Full HD Vandalproof IR IP Camera
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## Related Products

ICA-5550V	5 Mega-pixel Vandalproof IR IP Camera
ICA-5260V	60fps Full HD Vandalproof IR IP Camera
NVR-915	9-Ch Network Video Recorder
NVR-1615	16-Ch Network Video Recorder
NVR-820	8-Ch Network Video Recorder with HDMI
NVR-1620	16-Ch Network Video Recorder with HDMI
NVR-3210	32-Ch Network Video Recorder
NVR-3250	32-Ch Rack Mount Network Video Recorder
NVR-3280	32-Ch Rack-mount Network Video Recorder with 8-Bay Hard Disks
IGS-10020PT	Industrial 8-Port 10/100/1000T 802.3af PoE + 2-Port 100/1000X SFP Managed Switch with Wide Operating Temperature
CV3-M1024	1024-Channel Central Management Software

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ICA-5250Vv2