Industrial PoE Plus Outdoor IR IP Camera

Superb, Outdoor Full HD Professional Surveillance

PLANET ICA-2250VT is a Full HD camera for a wide range of video surveillances over IP networks. It supports H.264, MPEG-4, and M-JPEG compression formats to deliver excellent picture quality in 1080P resolutions at 30 frames per second (fps). Incorporating the new Exmor™ CMOS image sensor from Sony, which is specially designed for surveillance applications, the ICA-2250VT provides high quality images under all lighting conditions. Superb 1080P video quality is provided with progressive scan in multiple individual streams, 16:9 aspect ratio and frame rate. The ICA-2250VT offers high-performing video surveillance in almost any difficult environment. Its IP66 and -40 to 75 degrees C operating temperature features help to protect the camera body against rain and dust, and ensures operation under extreme weather conditions, which make 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 / 2.9" 2MP Sony Exmor image sensor
- 3.1~8 mm Vari-focal, Auto-iris Lens
- 0.5 lux minimum illumination at F1.4
- Maximum resolution 1920 x 1080
- Removable IR-cut Filter for day & night function
- CS or C-mount Adjustment Ring for flexible Lens installation

Video / Audio

- H.264 / MPEG-4 and M-JPEG video compression simultaneously
- Simultaneous multi-stream support
- H.264 high profile, main profile and baseline
- Max. resolution 1080P at 30fps
- 3DNR to improve picture quality at low Lux
- WDR Enhancement to enhance visibility under extremely bright or dark environments
- 2-way audio support with enhanced audio quality

Network and Configuration

- Compliant with IEEE 802.3at PoE Plus interface for flexible deployment
- Auto MDI/MDI-X supported
- Supports IPv6 protocol in addition to the standard IP protocol version 4 (IPv4)
- RTSP / UPnP / 3GPP / HTTPS protocols selectable

Easy Installation & Management

- ONVIF compliant
- Built-in Samba client for NAS
- SD Card local video recording supported
- 3GPP for 3G mobile remote applications
- RS-485 interface for P/T scanner control
- Digital Input / Output for integration with sensors and alarms
- Cam Viewer 3 central management software supported
- Built-in fan and heater with fully automatic intelligent control
- Industrial design with -40 to 75 degrees C operating temperature
- IP66 outdoor classifications with cable management bracket for rigorous environment

Day & Night Surveillance

The ICA-2250VT features an automatic, removable infrared-cut filter to provide color video when there is sufficient light, and black/white video in dark conditions. The ICA-2250VT is able to maintain clear images 24 hours a day.

Extraordinary Image quality

Together with powerful image processing attributes like Wide Dynamic Range (WDR) and 3-Dimension Noise Reduction (3DNR) technology, the ICA-2250VT is able to filter the intense backlight surrounding a subject and remove noises from video signal. Thus, an extremely clear and exquisite picture quality can be produced even under any challenging lighting conditions.

Advanced Event Management

The ICA-2250VT supports a number of advanced features that enhance the camera flexibility and capabilities. The Auto-iris function improves the image quality and avoid over exposure. The AV output enables 2-way audio communication. The embedded micro SD/SDHC card slot facilitates the image storage locally. It also provides the RS-485 interface for an optional pan/tilt enclosure connection to effectively perform pan/tilt management. The input/output interface of the ICA-2250VT can connect to external devices such as door sensors and relays to activate light or close doors automatically.

Flexible Installation and Power Functionality

The ICA-2250VT incorporates IEEE 802.3at Power over Ethernet Plus standard so it can be powered via the network cable, eliminating the need for power cables and reducing installation costs. The ICA-2250VT is ONVIF compliant and therefore is interoperable with other brands in the market. It also includes the 64 channel central management software for efficient surveillance monitoring. The ICA-2250VT is indisputably the top choice for reliable and high performance surveillance.
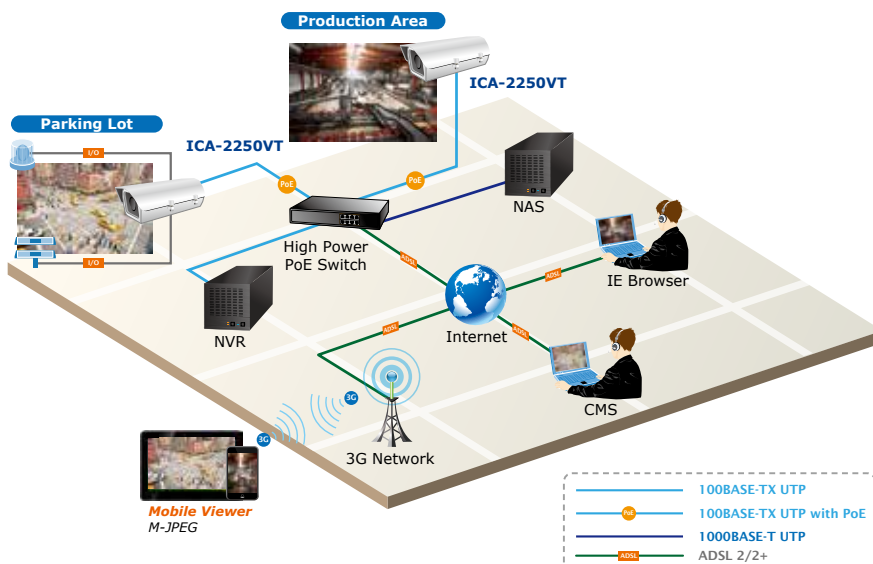
Composite Outdoor-ready Camera

The ICA-2250VT is an out-of-the-box, full HD IP camera that is designed to sustain severe weather conditions. It is a unique and competitive camera in the IP CCTV market, with features such as IP66 housing for rain/dust protection and -40 to 75 degrees C operation. The ICA-2250VT especially comes with a built-in heater and blower to operate stably in extreme outdoor enviornment. It is ideal for cost efficient 24/7 area or perimeter surveillance of all security applications such as roads, tunnels, airports, etc.

Application

Day-and-night Vision Application with the ICA-2250VT

Specifications

Model	ICA-2250VT
Camera	
Image Device	2 Mega-pixel Sony Exmor image sensor
Lens	Vari-focal 3.1~8mm, F1.4 DC Auto-iris, CS mount Mechanical IR Cut Filter Angle of view (horizontal field): 79.3 x 29.8 degrees
Min. Illumination	0.5 lux @ F1.4
Effective Pixels	1920 x 1080 pixels
IR LED	24 pcs / distance up to 35 meters
Image	
Video Compression	H.264 / MPEG-4 / M-JPEG
Video Resolution	**1080P mode** H.264: 1080P / 1280 x 720 / 640 x 360 / 320 x 180 M-JPEG: 1080P / 1280 x 720 / 640 x 360 / 320 x 180 MPEG4: 1280 x 720 / 640 x 360 / 320 x 180 **720P mode** H.264: 1280 x 720 / 640 x 360 / 320 x 180 / 160 x 80 M-JPEG: 1280 x 720 / 640 x 360 / 320 x 180 / 160 x 80 MPEG4: 640 x 360 / 320 x 180 / 160 x 80
Frame Rate	Up to 30fps for all resolutions
Image Setting	AE, AWB 3D Noise reduction Digital WDR WDR Color, brightness, sharpness, contrast Mirror / Flip 7 Privacy Masks Text, time and date overlay Overlay image on video
Streaming	Simultaneously multi-profile streaming Streaming over UDP, TCP, or HTTP M-JPEG streaming over HTTP (server push) Supports 3GPP mobile surveillance (MPEG4) Controllable frame rate and bandwidth Constant and variable bit rate (MPEG4 / H.264) ROI
Audio	
Audio Streaming	2-way Audio
Audio Compression	RTSP: G.711 64kbps, G.726 32kbps 3GPP: AMR
Microphone	External microphone input
Audio Output	Adjustable audio output gain
Network and Configuration	
Standard	IEEE 802.3 10Base-T IEEE 802.3u 100Base-TX IEEE 802.3ab 1000Base-T IEEE 802.3at Power over Ethernet Plus
Protocol	IPv4, IPv6, TCP/IP, UDP, HTTP, HTTPS, SMTP, FTP, NTP, DNS, DDNS, DHCP, ARP, Bonjour, UPnP, RTSP, RTP, RTCP, IGMP, PPPoE, 3GPP, ICMP, Samba
Security	Password protection, IP address filtering, HTTPS encrypted data transmission, user access log
Users	20 clients on-line monitoring at the same time
System Integration	
Application Programming Interface	Open API for software integration ONVIF Compliant
Alarm Triggers	Intelligent video motion detection and external input
Alarm Events	File upload via FTP, Samba to NAS, SD card or email Notification via email, HTTP, and TCP External output activation Audio alerting output Pre and post-alarm buffering

General	
Power Requirements	IEEE 802.3at Class 4
Fan / Heater Control Temperature	Heater: On: 15 / Off: 25 degrees C Fan: On: 35 / Off: 25 degrees C
Power Consumption	19.8W max.
Protection Class	IP66 classification with weatherproof feature
Operating Temperature	-40 ~ 75 degrees C
Operating Humidity	20 ~ 80% (non-condensing)
Weight (include LENS)	2.89kg
Dimensions (W x D x H)	145 x 406 x 109 mm
Emission	CE, FCC
Connectors	10/100/1000Mbps Ethernet, RJ-45 DC power jack Terminal block for 1 alarm input and 1 output RS-485 interface for pan/tilt scanners control External Mic input Audio output BNC video output Micro SD/SDHC card (Max 32GB, Class 6) Factory default reset

Ordering Information

ICA-2250VT	Industrial PoE Plus Outdoor IR IP Camera

Related Products

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
WGSW-20160HP	16-Port 10/100/1000Mbps 802.3at PoE + 4-Port Gigabit TP / SFP Combo Managed Switch
FGSD-1022HP	8-Port 10/100Mbps + 2G TP / SFP Combo Managed 802.3at PoE Switch
SGSW-24040HP	24-Port 10/100/1000Mbps with 4-Port Shared SFP 802.3at PoE Managed Stackable Switch
WGSW-2620HP	24-Port 10/100Mbps + 2 Gigabit TP / SFP Managed 802.3at PoE Switch
FSD-808HP	8-Port 10/100bps 802.3at PoE Desktop Switch

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