

Full HD 20M IR Vari-focal Dome IP Camera



High Resolution Day and Night Surveillance

PLANET ICA-4200V Network Camera with IR Illuminator is a high resolution camera for 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). Incorporating the new CMOS image sensor, which is specially designed for surveillance applications, the ICA-4200V provides high quality images under all lighting conditions. It is perfect for remote and discreet monitoring of indoor areas such as stores, banks, hotels, office lobbies, and warehouses.

Full HD Resolution



Day & Night Functionality

To adapt to constantly changing lighting conditions, the ICA-4200V 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-4200V is able to maintain clear images 24 hours a day.



Camera

- 1/2.7" 2 mega-pixel progressive scan CMOS sensor
- 2.8~12.0 mm vari-focal, DC auto-iris lens
- 0.5 lux minimum illumination at F1.2
- Maximum resolution 1920 x 1080
- Removable IR-cut filter for Day & Night function
- Built-in PIR sensor (6m/120 degrees coverage) for thermal / motion detection

Video / Audio

- Simultaneous H.264 and M-JPEG video compressions
- 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 for enhancing visibility under extremely bright or dark environments
- Two-way audio support with enhanced audio quality
- Tamper and audio detection for unauthorized changes

Network and Configuration

- Compliant with IEEE 802.3af PoE interface for flexible deployment
- Auto MDI/MDI-X supported
- Supports both IPv6 and IPv4
- RTSP / UPnP / HTTP / HTTPS protocols selectable

Easy Installation & Management

- ONVIF compliant for interoperability
- Built-in 12 IR illuminators, effective up to 20 meters
- Intelligent motion / tampering / audio detection alarm triggers
- Built-in Samba client for NAS
- Micro SD card local video recording supported
- Digital Input/Output for integration with sensors and alarms
- Cam Viewer 3 central management software supported

Exceptional Image Quality

Together with powerful image processing attributes like Wide Dynamic Range and 3D Digital Noise Reduction (3DNR) technology, the ICA-4200V is able to filter the intense backlight surrounding a subject and remove noises from video signal. It brings an extremely clear and exquisite picture quality even under any challenging lighting conditions.



Passive InfraRed (PIR) Sensor

When people pass by or in an emergency situation, the built-in PIR motion detection sensor in the ICA-4200V will “detect” and start recording automatically. It is able to detect movement as far as 6 meters away. When motion is detected in the specified areas, the additional function of alarm notification can send an e-mail alert or captured images via FTP upload to a designated storage server.



Camera Tampering and Audio Detection

Provided with three individually configurable motion detection zones, the ICA-4200V can record video or trigger alarms and alerts when motion is detected in a designated area. Also, its built-in microphone enables the system to record the sound that is within camera's surveillance range. The system will trigger the audio detection alarm when sounds like screams, glass breaking, etc. are detected.



Advanced Event Management

To enhance surveillance flexibility and event management capabilities, the ICA-4200V supports a number of advanced features including auto-iris to avoid over exposure, AV out to perform the two-way audio function.

2-way Audio



Flexible Installation and Power Functionality

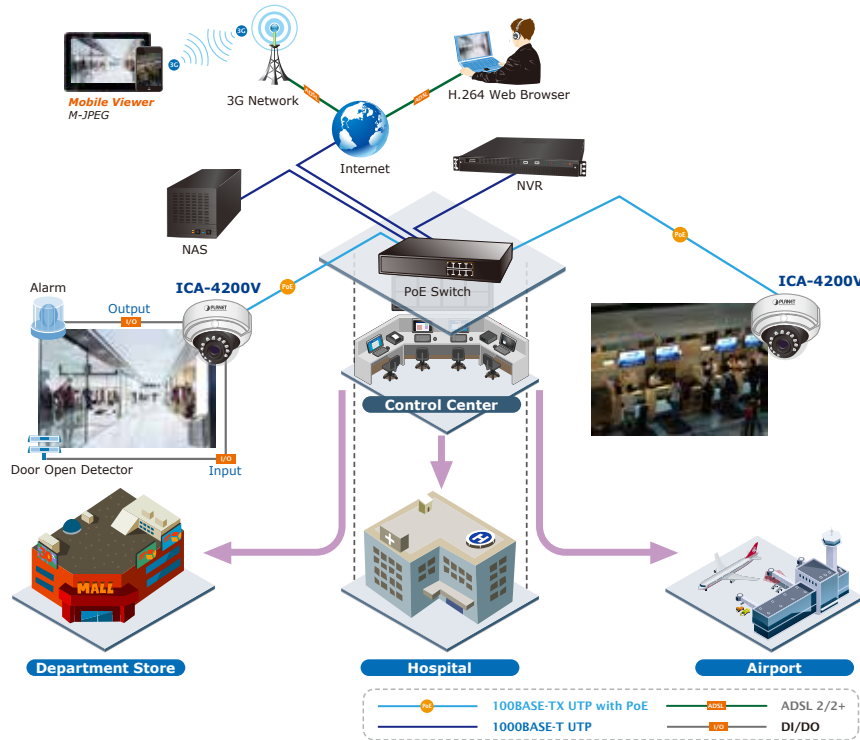
The ICA-4200V, incorporating IEEE 802.3af Power over Ethernet standard, is able to be powered via the network cable from a PoE power sourcing equipment such as PoE switch and PoE injector. It thus eliminates the need for extra power cables and reduces installation costs while increases the deployment flexibility. The ICA-4200V is ONVIF compliant and therefore interoperable with other manufacturers' products. It also includes 64-CH central management software for ease of maintenance and remote monitoring. The ICA-4200V is indisputably the top choice for reliable and high performance surveillance.



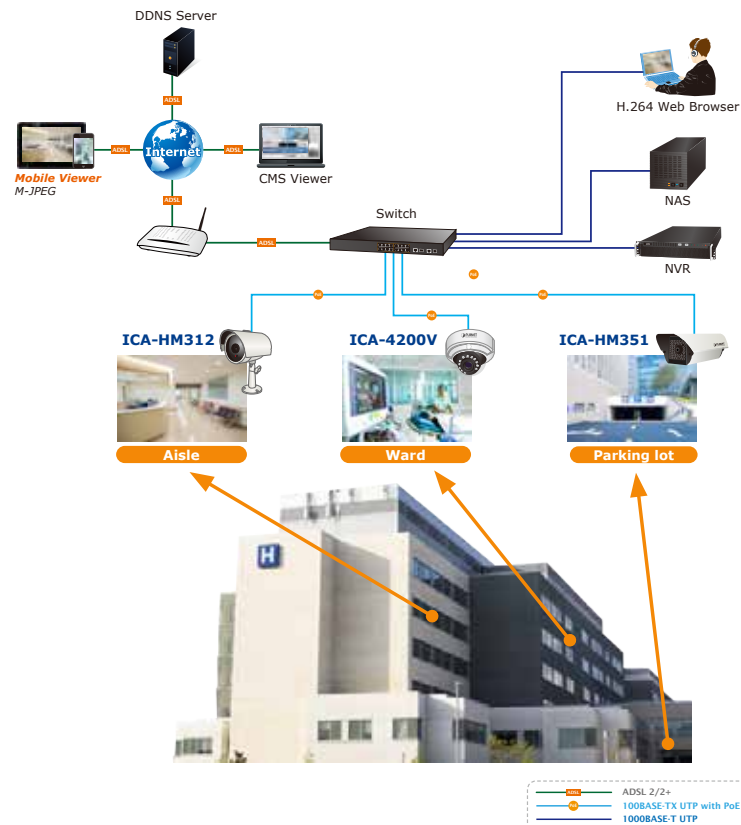
Applications

PLANET ICA-4200V 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-4200V supports 802.3af PoE interface, and facilitates the indoor surveillance applications without worrying the electric source.

Its Save-to-NAS and Save-to-SD card makes you easy to save your data. Besides, NVR and Web UI management make you easy to do the configuration and live viewing. Moreover, viewing your baby on your smart phone would give you a peace of mind.



With so many features offered, the ICA-4200V no doubt is your best choice for indoor surveillance solution.



Specifications

Model	ICA-4200V
Camera	
Image device	1/2.7" 2 mega-pixel progressive scan CMOS sensor
Lens	Vari-focal 2.8~12.0mm, DC auto-iris Mechanical IR-cut filter Angle of view : horizontal: 35.8 ~ 100.5 degrees / vertical: 26.8 ~ 73.4 degrees
Min Illumination	0.5 lux (color) @ F1.2 0.1 lux (B/W)
IR Illuminations	IR LED x 12, 850nm Built-in IR illuminators, effective up to 20 meters *The IR distance is based on the environment
Effective Pixels	1920 x 1080 pixels
Image	
Video Compression	H.264 / M-JPEG
Video Resolution	1080p mode H.264: 1080p, 720p, 640 x 360, 320 x 180 M-JPEG: 1080p, 720p, 640 x 360, 320 x 180 720p mode H.264: 720p, 640 x 360, 320 x 180, 160 x 80 M-JPEG: 720p, 640 x 360, 320 x 180, 160 x 80
Frame Rate	Up to 30fps for all resolutions
Image Setting	AE, AWB 3D noise reduction WDR Color, hue, brightness, sharpness, contrast Mirror/Flip 90o rotation De-fog Anti-false color Lens distortion correction 10 privacy masks Text, time and date overlay Overlay image on video
Streaming	Simultaneously multi-profile streaming Streaming over UDP, TCP, HTTP, or HTTPS M-JPEG streaming over HTTP (server push) Controllable frame rate and bandwidth Constant and variable bit rate (H.264) AOI ROI
Audio	
Audio Streaming	Two-way audio
Audio Compression	RTSP: G.711 64kbps, G.726 32kbps
Microphone	External microphone input
Audio Output	Adjustable audio output gain
Network and Configuration	
Standard	IEEE 802.3 10BASE-T IEEE 802.3u 100BASE-TX
Protocol	IPv4, IPv6, TCP, UDP, HTTP, HTTPS, SMTP, FTP, NTP, DNS, DDNS, DHCP, DIPS, ARP, Bonjour, UPnP, RTSP, RTP, RTCP, IGMP, PPPoE, Samba, ICMP, SNMP, QoS
Security	Password protection, IP address filtering, HTTPS encrypted data transmission, user access log
Users	8 clients on-line monitoring at the same time
System Integration	
Application Programming Interface	Open API for software integration ONVIF Compliant
Alarm Triggering	Intelligent motion, tampering, audio detection, network disconnect 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
Video Buffer	Pre- and post-alarm buffering

General	
Power Requirement	12V DC, 1A IEEE 802.3af Class 3
Power Consumption	8W max.
Operating Temperature	0 ~ 50 degrees C
Operating Humidity	20 ~ 80% (non-condensing)
Weight	635g
Dimensions (Φ x L)	152 x 109 mm
Emission	CE, FCC
Connectors	10/100 Mbps Ethernet, RJ-45 DC power jack Terminal block for 1 alarm input and 1 output External mic input Audio out Composite video out (max. resolution: D1 720 x 480 pixel)) Micro SD/SDHC card (Max. 32GB, Class 6) Factory default reset button

Ordering Information

ICA-4200V	Full HD 20M IR Vari-focal Dome IP Camera
-----------	--

Related Products

CV3-M1024	1024-Channel Central Management Software
FGSW-1816HPS	16-Port 10/100TX 802.3at PoE + 2-Port Gigabit TP/SFP Combo Web Smart Ethernet Switch
FSD-504HP	4-Port 10/100Mbps 802.3af/at PoE + 1-Port 10/100Mbps Desktop Switch (60 watts)
GS-4210-24P2S	24-Port 10/100/1000T 802.3at PoE + 2-Port 100/1000X SFP Managed Switch
GSD-908HP	8-Port 10/100/1000T 802.3at PoE + 1-Port Gigabit Desktop Switch
ICA-4130S	HD Ultra-mini SIP PoE IP Camera
ICA-4230S	Full HD Ultra-mini SIP PoE IR IP Camera
ICA-4210P	60fps Full HD IR IP Camera with Remote Focus and Zoom
ICA-4500V	5 Mega-pixel 20M IR Vari-focal Dome IP Camera
NVR-820	8-CH Network Video Recorder with HDMI
NVR-915	9-Ch Network Video Recorder
NVR-1615	16-Ch Network Video Recorder
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