

H.264 36x Outdoor Speed Dome Internet Camera



Pan, Tilt and Zoom Capabilities for Wide Area Coverage

PLANET ICA-H652 Speed Dome Network Camera is designed for the most demanding video surveillance applications, with outstanding, full frame rate video in resolutions up to D1 and with optical zoom up to 36x. This camera supports H.264, and M-JPEG compression formats and delivers excellent picture quality in D1 resolutions at 60 frames per second (fps). Incorporating the progressive scan CMOS sensor from SONY, which is specially designed for surveillance applications, this camera provides high quality images and enable surveillance of a large area and great details when zooming in. With the powerful high-speed and precision pan/tilt/zoom capabilities, support 360 degrees continuous PAN, Tilt to ensure no dead angle surveillance. PLANET ICA-H652 are ideal for stores, banks, warehouses, parking lots, airports and train stations, as well as city and perimeter surveillance.



Day & Night Functionality

The ICA-H652 features an automatic, removable infrared-cut filter, which enables 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.



Camera

- 1/4" Sony CCD 650TV Line CCD sensor
- 3.4 ~ 122.4 mm vari-focal, auto-iris lens
- 0.001 lux minimum illumination
- Maximum resolution D1 (NTSC: 704 x 480 / PAL: 704 x 576)
- 36 x 12 zooming (36x optical, 12x digital) adjustment
- 360 degrees continuous PAN, Tilt (-10 ~ 190 degrees)
- Preset speed can get 5~400 / sec, and manual speed 0.5 ~ 90 degrees / sec
- Auto white balance and auto electronic shutter time (1/1 ~ 1/10k sec)
- Automatic gain control (AGC) for image-intensified camera
- Removable IR-cut filter for Day & Night function

Video / Audio

- Simultaneous H.264 and M-JPEG video compression
- Simultaneous multi-stream support
- Max. resolution D1 at 60fps
- 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

Network and Configuration

- Compliant with IEEE 802.3at PoE Plus interface for flexible deployment
- Auto MDI/MDI-X supported
- Support for IPv6 in addition to the standard IP protocol version 4
- RTSP / UPnP / 3GPP / HTTPS protocols selectable
- DDNS and FTP uploading supports more alternatives in surveillance network

Exceptional Image Quality

Together with powerful image processing attributes like Wide Dynamic Range (WDR) and 3-Dimension Noise Reduction (3DNR) technology, the camera 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-H652 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, two-way audio function, microSD/SDHC card slot for local storage, DI/DO and motion detection function for grasping all sudden happenings. Moreover, the ICA-H652 is also equipped with IP66-rated housing which protects the camera body against rain and dust to withstand operation under extreme weather conditions.



Easy Installation & Management

- ONVIF compliant for interoperability
- 3GPP for 3G mobile remote applications
- Cam Viewer 3 central management software supported
- Motion Detection feature can monitor any suspicious movement in specific area
- 256 presets; tour based on presets; speed and park time of presets can be set
- Cruise line: 8 group programmable lines, each cruise with 32 presets
- Digital Input/Output for integration with sensors and alarms
- IP66 outdoor classification with heater and fan for rigorous environment
- Fan and heater both belong to fully-automatic intelligent control

Flexible Installation and Power Functionality

The ICA-H652 incorporates IEEE 802.3at Power over Ethernet Plus power supply that is transmitted to the camera via the network, eliminating the need for power cables and reducing installation costs. The ICA-H652 is ONVIF-compliant and therefore helps the surveillance system installation easily integrate with other manufacturers' products. The included 64-CH central management software also makes the ICA-H652 the indisputably top choice for reliable and high performance surveillance.



Applications

Transportation Surveillance – Airport



To bring the best and effective airport security, PLANET provides a complete surveillance solution to all airport areas stretching from the indoors to the outdoors, such as reception hall, screening hall, baggage storage, lounges, airport apron and runway.

1. Intelligent Surveillance

To daily safeguard those crowds of passengers passing through from one airport to another, PLANET ICA-H652 Speed Dome Network Camera, equipped with intelligent central management software, is suitable for surveillance of the airport areas where different pre-alarm functions can be activated to caution the people in and around the airport when an emergency happens. The ICA-H652 enables surveillance management to be more effective in preventing a mishap from happening.

2. Analysis of Event

In such busy environment as in the airport, the ICA-H652 is the suitable IP camera to clarify the accident situation and restore the site immediately from the state of confusion.

Surveillance in Factory and Warehouse

PLANET surveillance system can greatly enhance the security of factories, and protect their staff members as well from being harmed. PLANET ICA-H652 is built to withstand any harsh environment, thus improving its code of conduct on safety and security.

1. Boundary Prevention

When an unidentified staff or vehicle gets near the warehouse, the system will trigger an alarm automatically and send the notification to the system manager.

2. Alarm Linkage

The system will display the alarm area automatically on the monitor, where little time is spent on searching the alarm target to improve work efficiency and facilitate CMS command immediately.

Specifications

Model	ICA-H652
Camera	
Image device	1/4" Sony CCD sensor
Lens	f= 3.4 ~ 122.4 mm, auto/manual-iris/focus Mechanical IR cut filter Angle of view (horizontal x vertical): H: 57.8~ 1.7 degrees V: 43.4 ~ 1.28 degrees
Min Illumination	0.001 Lux (B/W) / 0.01 Lux (color)
Effective Pixels	D1: NTSC (720 x 480 pixel) / PAL (720 x 576 pixel)
Pan/Tilt/Zoom	
Optical Zoom	36x
Digital Zoom	1~12x variable
Pan Degree	0 ~ 360 degrees continuous panning
Tilt Degree	-10 ~ 190 degrees
Manual Speed	0.5 ~ 90 degrees
Preset Point	256
Preset Accuracy	0.225 degrees
Preset Speed	5~400 degrees
Sequence	8
Auto Pan	4
Camera Cruise	8
Privacy Mask	16 (w/motion detection window) 20 (w/o motion detection window)
Proportional Pan & Tilt	On/Off (Pan and tilt speed proportional to zoom ratio)
Resume after Power loss	Yes
Home Function	Preset, Sequence, Auto Pan, Cruise
Auto Flip	Digital / Mechanical / Off
Digital Slow Shutter	On / Off

Video		
Video Compression	H.264 / M-JPEG	
Video Resolution	D1: NTSC 720 x 480 / PAL 720 x 576 CIF: NTSC 352 x 240 / PAL 352 x 288	
Horizontal Resolution	650 TVL	
Frame Rate	Dual D1 @ 60fps	
Image Setting	Auto electronic shutter: 1/1 ~ 1/10k sec Auto white balance: auto/ indoor/ outdoor/ ATW AGC: auto / manual 3D digital noise reduction WDR Color, sharpness Mirror/flip Privacy masks Text, time and date overlay	
Streaming	Simultaneously multi-profile streaming Streaming over UDP, TCP, or HTTP Controllable frame rate and bandwidth Constant and variable bit rate (M-JPEG /H.264)	
Audio		
Audio Streaming	Two-way audio	
Audio Compression	G.711 64kbps, G.726 32kbps, ADPCM	
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 802.3at PoE Plus	
Protocol	IPv4/v6, TCP/IP, UDP, RTP, RTSP, HTTP, ICMP, FTP, SMTP, DHCP, PPPoE, UPnP, IGMP, SNMP, QoS, ONVIF	
Security	HTTPS / IP filter / IEEE 802.1x	
Users	8 clients on-line monitoring at the same time	
System Integration		
Application Programming Interface	Open API for software integration ONVIF compliant	
Alarm Triggers	Input	4 sets / 5V 10kΩ pull up
	Output	2 set / relay output, max. 2A, DC 30V / 0.5A, AC 125V
Alarm Reaction	Preset / Sequence / Auto Pan / Cruise	
Event Notification	HTTP / FTP / SMTP	
Network Failure Detection	Yes	
Environment		
Power Requirements	AC 24V, 3A ± 10% (system & heater) Ultra PoE (system & heater) , IEEE 802.3at High Power over Ethernet (system)	
Power Consumption	50 W (with heater)	
Operating Temperature	-40 ~ 50 degrees C (-40 ~ 122 degrees F)	
Operating Humidity	10 ~ 90% (non-condensing)	
Weight (include LENS)	2.3 kg (5.11 lb)	
Dimensions (Φx H)	191.9 x 382.1 mm (7.5 x 11.1 in.) w/ Sunshield	
Protection Class	IP66 outdoor classification, built-in fan and heater	
Heater	-7 degrees C on / 3 degrees C off	
Emission	CE / FCC / RoHS	
Connectors	10/100Mbps Ethernet, RJ-45 AC power connector Terminal block for 4 alarm input and 2 output External MIC input / Audio out Micro SDHC card (max 32GB, Class 10) Factory default reset button	

Ordering Information

ICA-H652	H.264 36x Outdoor Speed Dome Internet Camera
----------	--

Related Products

ICA-HM620	2 Mega-Pixel PoE Plus Speed Dome Internet Camera
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
POE-161	IEEE 802.3at High Power over Ethernet Injector (25 Watts)
POE-171	Single-Port 10/100/1000Mbps Ultra PoE Injector (60 Watts)
POE-171S	Single-Port 10/100/1000Mbps Ultra PoE Splitter (12V/19V/24V)
POE-173	60-Watt Ultra Power over Ethernet Injector
IPOE-162	Industrial IEEE 802.3at High Power over Ethernet Injector (30 Watts)
HPOE-460	4-Port IEEE 802.3at High Power over Ethernet Injector Hub
GSD-808HP	8-Port 10/100/1000Mbps 802.3at PoE Desktop Switch (150 Watts)
FGSD-1022HP	8-Port 10/100Mbps Fast Ethernet + 2 Gigabit TP/ SFP Combo Managed 802.3at PoE Switch
WGSW-2620HP	24-Port 10/100Mbps + 2 Gigabit TP/SFP Combo Managed 802.3at PoE Switch
SGSW-24040HP	24-Port 10/100/1000Mbps with 4 Shared SFP 802.3at PoE Managed Stackable Switch
IGTP-802T series	1000Base-SX / LX to 10/100/1000Base-T 802.3at PoE Industrial Media Converter