H.265 3 Mega-pixel Bullet IR IP Camera with Remote Focus and Zoom

TAIWAN EXCELLENCE 2017

Camera

- 1/2.8" Sony Exmor progressive scan CMOS sensor
- 2.8~12 mm vari-focal, P-Iris lens
- Smart Focus for remote and precise focus adjustment
- 0.01 lux minimum illumination at F1.2
- 22 built-in smart IR illuminators, effective up to 25 meters
- Removable IR-cut filter for Day & Night function

Video and Audio

- Simultaneous H.265/H.264/M-JPEG video compression
- Simultaneous multi-stream support
- H.264 high profile, main profile or baseline
- Max. resolution of 2048 x 1536 at 30fps
- 3DNR to improve picture quality at low lux
- True WDR enhancement function strengthens visibility under extremely bright or dark environments
- Two-way audio support with enhanced audio quality
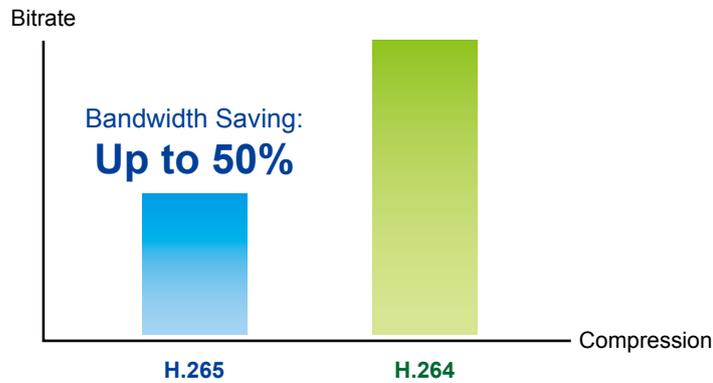
Network and Configuration

- Compliant with IEEE 802.3af PoE interface for flexible deployment
- RTSP, FTP and PLANET DDNS protocols selectable

Easy Installation and Management

- ONVIF compliant for interoperability
- IP66-rated housing with cable management bracket for rigorous environment
- Intelligent motion, tampering, audio detection alarm
- Digital Input/Output for integration with sensors and alarms
- Easy configuration and management via Windows-based utility or web interface

Higher Efficiency Surveillance Video

PLANET ICA-M3380P PoE IP Camera delivers excellent picture quality in H.265 3 mega-pixel resolutions at 30 frames per second (fps). Users will benefit from reduced 50% bandwidth and data storage through more efficient video compression.

Incorporating the Sony super low lux CMOS image sensor and 25-meter smart IR illuminators, which are specially designed for surveillance applications, the ICA-M3380P provides sharp images under all lighting conditions. With the motorized focus/zoom, users can remotely adjust the focus and zoom from the Web interface. Also equipped with a P-Iris, it allows for precise control of exposure, producing images with better clarity and contrast.

Moreover, it has an IP66-rated housing that can withstand any harsh temperature ranging from -20°C to 50°C. Its outdoor and handy features enable you to easily install the camera in any public areas, such as buildings, gardens, parking areas, markets, railway stations and hospitals.

High Efficiency Video Compression

The ICA-M3380P employs the H.265 technology to enable the camera to provide higher and more efficient image compression rates. If the same image quality level of H.264 is compared with that of H.265, the latter is able to save around 50% of bandwidth, meaning H.265 offers much higher quality video for less bandwidth. Thus, it can further enhance the overall performance of its IP surveillance system.

Smart Focus with P-Iris

The ICA-M3380P comes with the Smart Focus to make installation and adjustment easier by allowing remote focus and zoom adjustment. P-Iris function works by a stepping motor controlled via software to automatically provide the best iris position for the best exposure time in all lighting conditions.

Exceptional Image Quality

Together with powerful image processing attributes like True Wide Dynamic Range (True WDR) and 3-dimensional Noise Reduction (3DNR) technology, the ICA-M3380P 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.

Water Resistance and Dust-proof Protection

The IP66-rated housing protects the camera body against rain and dust, and ensures operation under extreme weather conditions, which makes it an ideal solution for outdoor applications, such as buildings, roads, parking areas, garages, railway stations and airports.

Advanced Media Management

The ICA-M3380P supports a number of advanced features to enhance surveillance flexibility and event management capabilities. The advanced features include 7 configurable regions of privacy mask to protect personal privacy, and external ports that allow accessories, such as speakers and microphones, to be added to the camera for two-way audio communication.
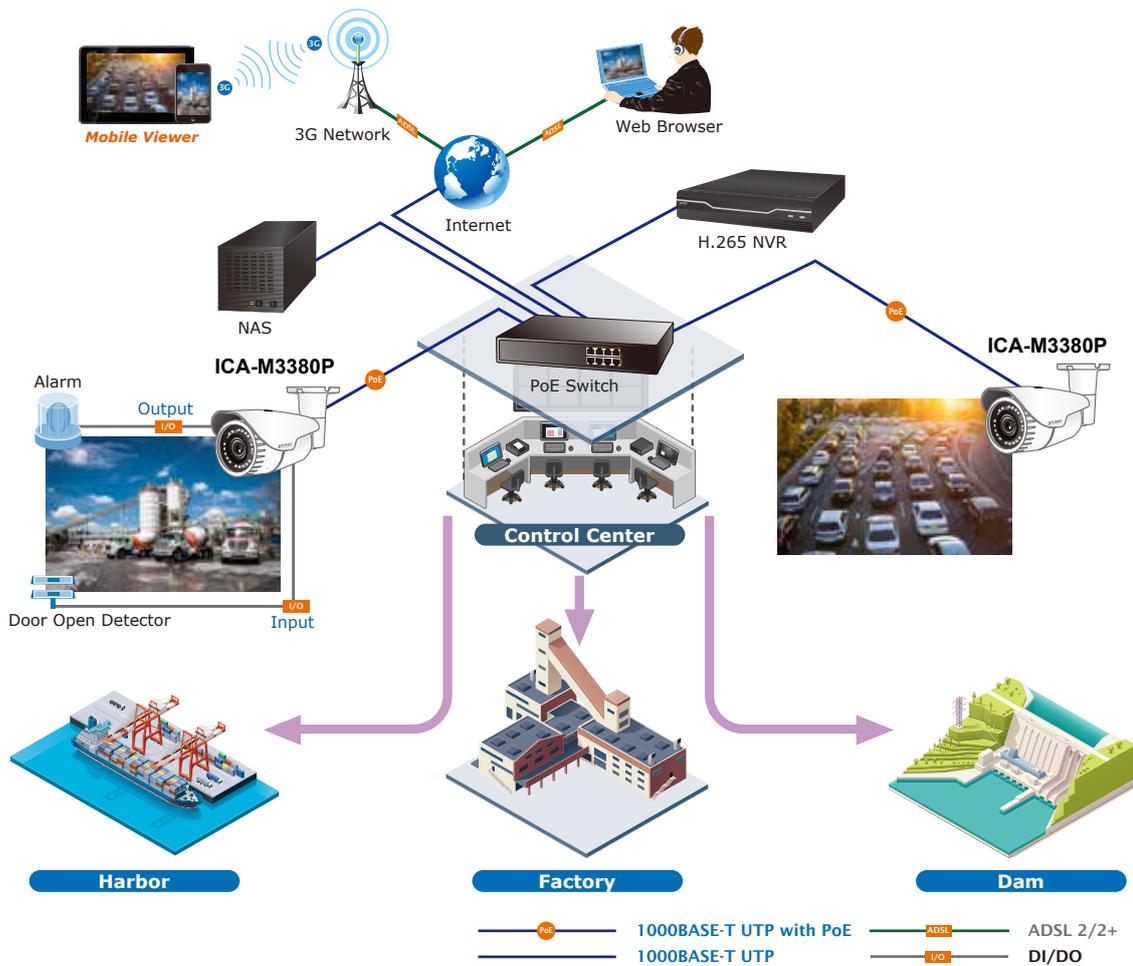
2-way Audio

Flexible Installation and Power Functionality

Powered from a PoE power sourcing equipment such as PoE switch or PoE injector over a network cable, the ICA-M3380P, adopting the IEEE 802.3af standard, does not need extra power cables and manpower, thus reducing installation costs while increasing deployment flexibility and scalability. The ICA-M3380P is ONVIF compliant and interoperable with other brands in the market. The ICA-M3380P is indisputably the ideal choice for reliable and high-performance surveillance.

Applications

PLANET ICA-M3380P 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-M3380P supports 802.3af PoE interface, and facilitates the outdoor surveillance applications without worrying the electric source. Besides, NVR and Web UI management make you easy to do the configuration and live viewing. With so many features offered, the ICA-M3380P no doubt is your best choice for outdoor surveillance solution.

Specifications

Model	ICA-M3380P
Camera	
Image Device	1/2.8" 3 mega-pixel Sony Exmor progressive scan CMOS sensor
Lens	Vari-focal 2.8~12mm, P-Iris Optical Zoom: 4x **Angle of view:** Horizontal: 29 ~ 94 degrees Vertical: 23 ~ 72 degrees
Min. Illumination	0.01 lux (color) @ F1.2 0 lux (B/W) @ IR on
IR Illuminations	Smart IR, IR LED x 22, 850nm Built-in IR illuminators, effective up to 25 meters *The IR distance is based on the environment
Effective Pixels	2048 x 1536 pixels
Image	
Video Compression	H.265/H.264/M-JPEG
Video Resolution	2048 x 1536, 1080p, 960p, 720p, 800 x 600, 640 x 480, 640 x 360, 320 x 240, 320 x 180
Frame Rate	Up to 30fps for all resolutions
Bitrate	1024~20000kbps
Shutter Time	1/5~1/10000 sec
Image Setting	AE, AWB 2D noise reduction 3D noise reduction D-WDR/True WDR Brightness, contrast, sharpness, hue, color Anti-False Color Defog Digital Image Stabilization (DIS) BLC Pixel Count Mirror/Flip Privacy mask (7 regions) Text, time and date overlay Overlay image on video
Streaming	Simultaneous multi-profile streaming Streaming over UDP, TCP, HTTP, or HTTPS Controllable frame rate and bandwidth M-JPEG streaming over HTTP (server push) Constant and variable bit rate ROI AOI (Higher Quality in AOI area)
Audio	
Audio Streaming	Two-way audio
Audio Compression	RTSP: G.711/G.726
Audio Input	External microphone input
Audio Output	Adjustable audio output gain
Network and Configuration	
Standard	IEEE 802.3 10BASE-T IEEE 802.3u 100BASE-TX IEEE 802.3af Power over Ethernet
Protocol	IPv4, IPv6, TCP, UDP, HTTP, HTTPS, SMTP, FTP, NTP, DNS, PLANET DDNS, DHCP, Bonjour, UPnP, RTSP, RTP, RTCP, PPPoE, Samba, SNMP, QoS, IEEE 802.1x
Security	Password protection, IP address filtering, HTTPS encrypted data transmission
Users	On-line monitoring of 20 clients at the same time
System Integration	
Application Programming Interface	Open API for software integration ONVIF compliant
Alarm Triggering	Motion Detection/Tampering/Audio/Network Disconnect and external input
Alarm Events	File upload via FTP, Samba or email Notification via email, HTTP, and TCP External output activation Audio alert output ICR On/Off
General	
Power Requirements	12V DC, 1A IEEE 802.3af Class 3
Power Consumption	10W with IR on (DC12V) 10W with IR on (PoE)

Weight	760g
Dimensions (Φ x L)	80 x 258 mm
Emission	CE, FCC
Housing	IP66-rated
Connectors	10/100Mbps Ethernet, RJ45 DC power jack Terminal block for 1 alarm input and 1 output External mic input Audio out BNC video out Factory default reset button
Environments	
Cold Boot Temperature	-20 ~ 50 degrees C
Operating Temperature	-30 ~ 50 degrees C
Operating Humidity	20 ~ 80% (non-condensing)

Ordering Information

ICA-M3380P	H.265 3 Mega-pixel Bullet IR IP Camera with Remote Focus and Zoom

Related Products

ICA-M4320P	H.265 3 Mega-pixel IR IP Camera with Remote Focus and Zoom
ICA-M5380P	H.265 3 Mega-pixel Vandalproof IR IP Camera with Remote Focus and Zoom
NVR-3685	H.265 36-Ch Network Video Recorder with 8-Bay Hard Disks
IGS-4215-4P4T2S	Industrial 4-Port 10/100/1000T 802.3at PoE + 4-Port 10/100/1000T + 2-Port 100/1000X SFP Managed Switch (-40~75 degrees C)

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