H.265 5 Mega-pixel Smart IR Dome IP Camera with Remote Focus and Zoom

Excellently Efficient Surveillance Video

PLANET ICA-5580P PoE IP Camera delivers excellent picture quality in **H.264(+)/ H.265(+)** 5 mega-pixel resolutions and 3 streaming capabilities. Users will benefit from reduced **50%** bandwidth and data storage through more efficient video compression.

Incorporating the **SmartSens CMOS sensor and 80 meter Smart** IR illuminators, which are specially designed for surveillance applications, the ICA-M5580P provides sharp images under all lighting conditions. With the 2.7~15mm **motorized focus and 5x zoom**, users can remotely adjust the focus and zoom from the web interface. Being able to operate under the temperature range from **-20** to **60 degrees C**, the ICA-M5580P, equipped with a tough IP67-rated metal housing and its outdoor and handy features, enables you to easily install the camera in any public areas, such as buildings, gardens, parking areas, markets, railway stations and hospitals. It ensures the highest level of reliability for mission-critical applications in any difficult environment.

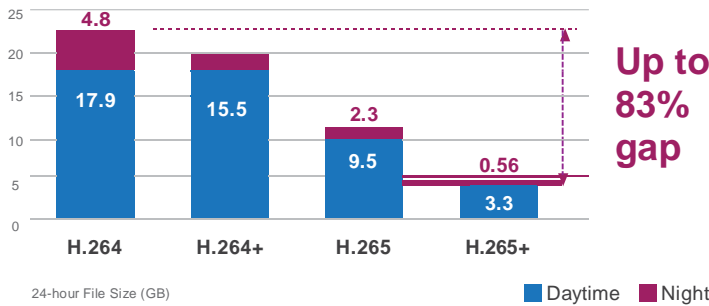## High Efficiency Video Compression

The ICA-M5580P employs the **H.264(+)/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.264(+)/H.265(+)** offers much higher quality video for less bandwidth. Thus, it can further enhance the overall performance of its IP surveillance system.

Camera

- 1/2.8" 5 megapixel SmartSens CMOS sensor
- 2.7-15mm 5X motorized zoom auto focus lens
- Remote smart focus for remote and precise focus adjustment
- 0.01 lux minimum illumination at F1.2
- Built-in smart IR illuminators, effective up to 80 meters
- Removable IR-cut filter for Day & Night function

Video and Audio

- Simultaneous H.264(+)/H.265(+)/JPEG/AVI/M-JPEG triple-stream video encoding
- Simultaneous multi-stream support
- H.264/M-JPEG baseline profile, main profile or high profile options
- Max. resolution of 3840 x 2160 at 25 fps
- HDR (120dB) enhancement function strengthens visibility under extremely bright or dark environments
- 3DNR to improve picture quality at low lux
- Two-way audio support
- Image adjustment options
  - Image adjustment
  - Exposure settings
  - Focus
  - Backlight settings
  - Day and night switch
  - White balance
  - Video adjustment
  - Image enhancement
  - Defog model
- OSD settings
- Motion detection, video tampering, intrusion detection
- 3 configurable regions of privacy mask to protect personal privacy
- RoI (Region of Interest)

Up to 83% gap

24-hour File Size (GB)

	H.264	H.264+	H.265	H.265+
Night	4.8		2.3	0.56
Daytime	17.9	15.5	9.5	3.3

■ Daytime ■ Night

Power over Ethernet

- Compatible with IEEE 802.3af Power over Ethernet PD for flexible deployment

Network Configuration and Management

- IPv4 DHCP Client and IPv4 Static IP Address management
- PLANET DDNS and Easy DDNS, FTP, SMTP, P2P, Cloud, RTSP encryption and IPEYE available options
- ONVIF compliant for interoperability
- SNTP Network Time Protocol/synchronize with computing time
- Scheduled power rebooting
- System log
- User management options for various authorities:
  - Admin
  - Operator
  - Guest
- System maintenance
  - Firmware upload/download via HTTP
  - Configuration upload/download through web interface
- Easy configuration and management via Windows-based software or web interface
- PLANET Search Tools utility and Professional Video/Central Management Software

Smart Focus with Zoom Function

The ICA-M5580P is designed with the Smart Focus to make installation and adjustment easier by allowing remote focus and zoom adjustment. The 5x zoom 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.

Blurred   Auto Focus   Clear

Exceptional Image Quality

Together with powerful image processing attributes like Wide Dynamic Range (WDR) and 3-dimensional Noise Reduction (3DNR) technology, the ICA-M5580P 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.

WDR: OFF   WDR: ON

3DNR: OFF   3DNR: ON

Case and Installation

- IP67-rated metal housing with cable management bracket for rigorous environment
- Waterproof and dustproof designs
- -20 to 60 degrees C operating temperature
- Plug and Play installation

Advanced Media Management

The ICA-M5580P supports a number of advanced features to enhance surveillance flexibility and event management capabilities. The advanced features include ROI (region of interest), motion detection, 3 configurable regions of privacy mask to protect personal privacy, and video tampering function. It also comes with defog model and image adjustment options.

Flexible Installation and Power Functionality

Powered from a PoE power sourcing equipment such as 802.3af/at PoE switch or 802.3af/at PoE injector over a network cable, the ICA-M5580P, 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-M5580P is ONVIF compliant and interoperable with other brands in the market, making it an indisputably ideal choice for reliable and high-performance surveillance.

Scheduled Power Rebooting

The ICA-M5580P can be scheduled to reboot at a specified time like every minute, every hour, every week or every month to reduce the chance of crash resulting from buffer overflow.

**Automatically Reboot
Every Friday 23:00**

Water-resistant and Dust-proof Protection

The IP67-rated metal 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.

Dustproof

Immersion under 1M

IP67 Weather Proof

Applications

High Scalability for Various Industrial IP Surveillance Solutions

PLANET high-resolution ICA-M5580P can offer various surveillance applications as it can capture clear images and is perfect for identifying objects and persons. Moreover, the ICA-M5580P supports 802.3af PoE PD interface, and facilitates the outdoor surveillance applications without worrying the electric source. Besides, Planet VMS, NVR, HDVR, Web UI and App management make you easy to do the configuration and live viewing. With powerful features offered, the ICA-M5580P no doubt is your best choice for outdoor surveillance solution.

Specifications

Product	ICA-M5580P
Camera	
Image Sensor	1/2.8" 5MP SmartSens CMOS sensor

Lens	Focus Length: 2.7-15mm
	Focus Control: Auto
	Lens Type: Motorized
	
	Angle of view:
	  Horizontal: 24~90 degrees
	  Vertical: 17~74 degrees

Min. Illumination	0.01 lux (color) @ F1.2 0lux (B/W) @ IR on
IR Illuminations	Built-in smart IR illuminators, effective up to 80 meters *The IR distance is based on the environment
Effective Pixels (H x V)	3840 x 2160
Power over Ethernet	
PoE Standard	IEEE 802.3af PoE PD
Image	
Video Compression	H.264(+)/H.265(+)/JPEG/AVI/M-JPEG

Video Resolution	Protocol	Main Stream	Sub Stream	Tri-Stream
	H.264/H.264+ H.265/H.265+	3840 x 2160 2592 x 1536 2560 x 1440 1920 x 1080 1280 x 720	1280 x 720 720 x 480	1280 x 720 720 x 480
	MJPEG	1920 x 1080		

Frame Rate	Up to 15~30 fps for all resolutions
Bitrate	32~16384kbps
Shutter Time	Auto: PAL 1/25-1/10000Sec; NTSC 1/30-1/10000Sec

FC C€

ICA-M5580P