

IPPTZ-ELS2IR3X-S

2MP 3x Starlight PTZ IP Camera



System Overview

This low profile camera provides 1080P (1920 x 1080) and can be powered through PoE or standard 12V DC power. It also has Intelligent Video System technology or IVS. With IVS, virtual lines can be drawn in the camera's settings to give you the ability to send an email, trigger a recording and/or trigger alarm outputs. The virtual lines can be used to determine if there is an intrusion into an area or an object has gone missing or is abandoned. The camera has a IP66 ingress protection rating and a 6KV lightning rating meaning this camera works just as well outdoors as it does inside.

Functions

Starlight Technology

The starlight standard sensor is just like the retina of your eyes which is sensitive to its ambient light, and the image quality is determined by how much light the sensor could use, together with the camera lens. The starlight camera technology uses larger and highly sensitive sensors, wider aperture and reduces the shutter speed to collect enough light for sharp monochrome/color images, even when human eyes couldn't identify a thing. So the starlight camera can see right through the darkness, even when it is challenging for your eyes.

Protection

The camera has a 6KV lightning rating, which provides effective protection for both the camera and its structure against lightning.

Smart H.265+

Smart H.265+ technology is a collection of intelligent encoding algorithms based on H.265. To meet the characteristics of video surveillance, Smart H.265+ adopts some key video encoding techniques can be flexibly added/deleted or combined according to different applications and products. Smart H.265+ codec can effectively enhance video encoding efficiency according to the characteristics of different surveillance environments; furthermore, it can greatly reduce transmission bit rate, storage capacity to improve the overall system.

- 1/2.8" 2Megapixel STARVIS™ CMOS
- Powerful 3x optical zoom
- Starlight, WDR
- Max. 25/30fps@1080P
- Support PoE
- IR distance up to 15m



Environmental

This camera operates in extreme temperature environments, rated for use in temperatures from -30°C to +60 °C (-22 °F to +140°F) with 95% humidity. Subjected to rigorous dust and water immersion tests and certified to the IP66 Ingress Protection rating makes it suitable for demanding outdoor applications.

Interoperability

The camera conforms to the ONVIF (Open Network Video Interface Forum) specifications, ensuring interoperability between network video products regardless of manufacturer.

Wide Dynamic Range

When part of an image is extremely dark but another part is so bright you can't see any details, that's dynamic range—the difference in lighting. Cameras with wide dynamic range (WDR) have special software that allows them to balance that lighting for one clear image. This makes them ideal for recording areas like store entrances where the contrast between the sunshine outside and the dim lighting inside can be extremely difficult to record.

Technical Specification			
Camera			
Image Sensor	1/2.8" STARVIS™ CMOS		
Effective Pixels	1920(H) x 1080(V), 2 Megapixels		
RAM/ROM	512M/128M		
Scanning System	Progressive		
Electronic Shutter Speed	1/1s~1/30,000s		
Minimum Illumination	Color: 0.005Lux@F1.8; B/W: 0.0005Lux@F1.8; 0Lux@F1.8 (IR on)		
S/N Ratio	More than 50dB		
IR Distance	Distance up to 15m (49.2ft)		
IR On/Off Control	Auto/Manual		
IR LEDs	3		
Lens			
Focal Length	2.7mm~8.1mm		
Max. Aperture	F1.8		
Angle of View	H: 105.6° ~ 35.2°		
Optical Zoom	3x		
Focus Control	Auto/Manual		
Close Focus Distance	100mm~ 1000mm		
DORI Distance			
*Note: The DORI distance is a “general proximity” of distance which makes it easy to pinpoint the right camera for your needs. The DORI distance is calculated based on sensor specification and lab test result according to EN 62676-4 which defines the criteria for Detect, Observe, Recognize and Identify respectively.			
Detect	Observe	Recognize	Identify
100.4m(329.4)	40.2m(131.9ft)	20.1m(65.9ft)	10m(32.8ft)
PTZ			
Pan/Tilt Range	Pan: 0° ~ 355°; Tilt: 5° ~ 90°		
Manual Control Speed	Pan: 0.1° ~70° /s; Tilt: 0.1° ~30° /s		
Preset Speed	Pan: 80° /s; Tilt: 40° /s		
Presets	300		
PTZ Mode	8 Tour		
Speed Setup	Human-oriented focal Length/speed adaptation		
Power up Action	Auto restore to previous PTZ and lens status after power failure		
Idle Motion	Activate Preset/Tour if there is no command in the specified period		
Protocol	DH-SD		
Intelligence			
Event Trigger	Motion detection, Video tampering, Network disconnection, IP address conflict, Illegal access, Storage anomaly		
Auto Tracking	N/A		

IVS	Tripwire, Intrusion,Abandoned/Missing
Advanced Intelligent Functions	Face Detection
Video	
Compression	H.265+/H.265/H.264+/H.264
Streaming Capability	3 Streams
Resolution	1080P(1920×1080)/720P(1280×720)/D1(704×576/704×480)/CIF(352×288/352×240)
Frame Rate	Main stream: 1080P/720P(1 ~ 25/30fps)
	Sub stream1: D1/CIF(1 ~ 25/30fps)
	Sub stream2: 720P/D1/CIF(1 ~ 25/30fps)
Bit Rate Control	CBR/VBR
Bit Rate	H.265/H.264: 448K ~ 8192Kbps
Day/Night	Auto(ICR) / Color / B/W
Backlight Compensation	BLC / HLC / WDR(120dB)
White Balance	Auto,ATW,Indoor,Outdoor,Manual
Gain Control	Auto / Manual
Noise Reduction	Ultra DNR (2D/3D)
Motion Detection	Support
Region of Interest	Support
Electronic Image Stabilization (EIS)	N/A
Defog	Support
Digital Zoom	16x
Flip	180°
Privacy Masking	Up to 24 areas
Audio	
Compression	G.711a/G.711mu/G.726/AAC
Network	
Ethernet	RJ-45 (10XBase-T/100Base-TX)
Protocol	IPv4/IPv6, HTTP, HTTPS, SSL, TCP/IP, UDP, UPnP, ICMP, IGMP, SNMP, RTSP, RTP, SMTP, NTP, DHCP, DNS,PPPOE,DDNS,FTP, IP Filter,QoS,Bonjour,802.1x
Interoperability	ONVIF Profile S&G, API
Streaming Method	Unicast / Multicast
Max. User Access	20 users
Edge Storage	NAS (Network Attached Storage),Local PC for instant recording, Micro SD card 256GB
Web Viewer	IE, Chrome, Firefox, Safari
Management Software	Smart PSS, DSS, DMSS
Smart Phone	IOS, Android
Certifications	
Certifications	CE: EN55032/EN55024/EN50130-4 FCC: Part15 subpartB,ANSI C63.4- 2014 UL: UL60950-1+CAN/CSA C22.2.No.60950-1

Interface	
Video Interface	N/A
RS485	N/A
Audio I/O	Mic in/Line in, Line out
Alarm I/O	N/A
Electrical	
Power Supply	DC 12V/1.5A, PoE(802.3af)
Power Consumption	7.8W, 10.5W (IR on)
Environmental	
Operating Conditions	-30°C ~ 60°C (-22°F ~ +140°F) / Less than 95% RH
Ingress Protection	IP66
Vandal Resistance	IK08
Construction	
Casing	Metal
Dimensions	Φ128(mm) × 63(mm)
Net Weight	0.49kg(1.08lb)
Gross Weight	0.73kg(1.6lb)

Accessories

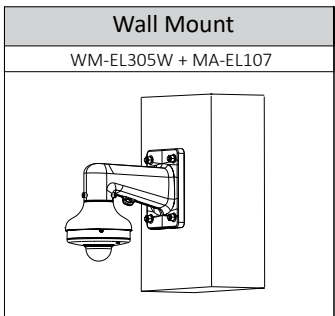
Optional :



MA-EL107
Mount Adapter



WM-EL305W
Wall Mount



Dimensions (mm)

