

EYRSDM05

5MP 2.5''5X Zoom PTZ Camera

SMART SURVEILLANCE. EVERY MOMENT.

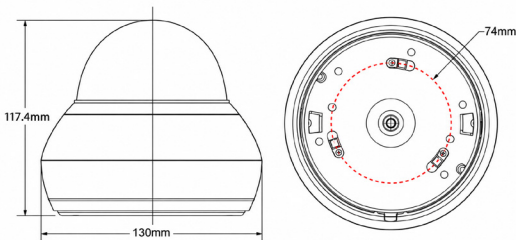


OVERVIEW

The EYRSDM05 is a compact 5MP 2.5-inch PTZ IP camera designed for high-resolution indoor and outdoor surveillance. It features a 5× optical zoom lens, fast 360° pan-and-tilt movement, smart AI detection, 20 m infrared night vision, 120 dB HDR, and flexible PoE or 12V DC power. Its durable metal housing provides IP66 weather protection and IK10 impact resistance.

KEY FEATURES

- 5MP at 30 fps.
- 1/2.8" CMOS sensor.
- 3.05–15.5 mm zoom lens.
- 5× optical zoom.
- 360° endless pan.
- –10° to 90° tilt.
- 20 m Smart IR.
- AI object detection.
- Intrusion detection.
- H.265+/H.264+ compression.
- PoE and 12V DC.
- IP66 and IK10 rated.
- 5-year replacement warranty.
- No-return hardware warranty.



Event

Intelligent Detection	Motion Detection/Human Detection/Vehicle Detection/Pet Detection/ Smoke and fire detection/Object Left/Removed/Non motor vehicle detection/Face Detection/Line Crossing/Intrusion Detection
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General

Power	DC 12 V/POE
Material	Metal
Dimension	Φ130mm x 117.4mm
Weight	N.W.600g
With Package Weight	G.W. 750g
Working Conditions	Temperature: –20°C ~60°C Humidity: 10%–90%

Approval

EMC	CE-EMC:EN 55032:2015+A1:2020, EN 50130-4:2011+A1:2014, EN IEC 61000-3-2:2019+A1:2021+A2:2024, EN 61000-3-3:2013+A2:2021
Safety	CB:IEC IEC 62368-1:2023, CE-LVD:EN IEC 62368-1:2024
Environment	CE-RoHS: Directive 2011/65/EU (as amended), WEEE: Directive 2012/19/EU (amended by (EU) 2024/884) REACH: Regulation (EC) No 1907/2006
Protection	IP66&IK10

SPECIFICATIONS

CAMERA

Image Sensor	1/2.8" Progressive Scan CMOS
Max. Resolution	5MP (2592×1944) 30fps
Min. Illumination	0.005 Lux@ (AGC ON), B/W: 0 Lux with IR
Day & Night	IR
RAM Capacity	128 MB
Flash Volume	128 MB

Lens

Lens Type	3.05–15.5mm (5× optical zoom)
Focal Length & FOV	(H) 360° endless, 0.1°–200°/s (V) –10°–90°, 0.1°–180°/s

Illuminator

Supplement Light Type	IR
Supplement Light Range	Up to 20m
Smart Supplement Light	Yes

Video

Main Stream	50Hz: 25fps (2592×1920, 2560×1440, 2304×1280, 1920×1080, 1280×960, 1280×720) 60Hz: 30fps (2592×1920, 2560×1440, 2304×1280, 1920×1080, 1280×960, 1280×720)
Sub-Stream	50Hz: 25fps (704×576, 640×480, 640×352, 352×288) 60Hz: 30fps (704×576, 640×480, 640×352, 352×288)
Video Compression	Mainstream: H.265/H.264/H.264+/H.265+ Substream: H.265/H.264/H.264+/H.265+
Video Bit Rate	Main: 256–8000kbps, Sub: 50–1000kbps
Profile	Baseline Profile, Main Profile, High Profile
Bit Rate Control	CBR, VBR
Region of Interest (ROI)	Max. 4 regions supported/stream

Audio

Audio Compression	G711U/G711A/AAC/PCM/G726
Audio Sampling Rate	8kHz/16kHz
Environment Noise	Yes

Network

Protocols	TCP/IP, PPPoE, UDP, HTTP, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, NTP, UPnP, SMTP; SNMP v1/v2/v3, IPv4/v6; Bonjour; QoS, VOIP, SSL/TLS
Compatibility	HTTP ONVIF, WEBRTC
Client	BSS Smart/BSS Mobile

Image

Image Parameters Switch	Yes
Image Settings	Rotate mode, Saturation, Brightness, Contrast, Sharpness
Day/Night Switch	Day, Night, Normal
HDR	Yes (120dB)
Image Enhancement	BLC, HLC, 2D/3D DNR
Privacy Mask	4 programmable polygon privacy masks

Interface

Ethernet Interface	RJ-45 LAN Port
PoE	Yes
On-Board Storage	No
Built-in Microphone	No
Built-in Speaker	No
Reset Key	Yes
Audio	Optional
Alarm	Optional