ENTERPRISE · EYEBALL

SPC-EBX08-M12-A3-WLD-G1

8 MP Eyeball Camera

8MP Enterprise Eyeball Camera with a 2.8–12mm motorized varifocal lens, up to 25m IR night vision, Full AI video analytics, and Active Deterrence. Features a built-in microphone and speaker, SD card storage, PoE, an F1.2 aperture, and power-out reset functionality.

8 MP · 2.8-12mm · PoE



8 MP	1/2.8” IMX415 sensor	2.8–12 mm	H.265+/H.265/ H.264	PoE	ONVIF Profile S/ G/T, RTSP	IP66
Resolution	Image Sensor	Lens	Compression	PoE	ONVIF	Protection

EDGE AI ANALYTICS

PROTECTION
Reduce nuisance alarms

- Human & vehicle detection [M]
- Perimeter intrusion detection [M]
- Line crossing detection [M]
- Stationary object detection [M]

OPERATIONAL INTELLIGENCE
Turn video into insight

- Cross counting [M]
- Heat map [M]
- Crowd density detection [M]
- Queue length detection [M]
- Rare sound detection [M]

IDENTIFICATION
Find what matters faster

- Face recognition [M]
- License plate recognition [M]
- Face detection [P]

Analytics availability and simultaneous execution may vary by model, firmware and deployment architecture.

WHERE IT WORKS BEST

General security coverage	Perimeter and movement verification	Incident evidence	Office	Retail	Indoor / Outdoor	Entrances

OPEN INTEGRATION

Camera and edge-intelligence layer. Recorder retention, Eye365 Smart Search, LPR365 workflows and MERGE365 integrations are selected as separate system roles.

ONVIF Profile S/G/T, RTSP

ENTERPRISE TECHNICAL PRODUCT DATA

SPC-EBX08-M12-A3-WLD-G1

8 MP Eyeball Camera

Former model reference: SS-RIE08-UVMSD



1. CAMERA & IMAGING

Image sensor	1/2.8” IMX415 sensor
Effective pixels	8 MP
Minimum illumination	Color 0.007 Lux @(F1.0,AGC ON); B/W 0 lux @ IR ON
Day / Night	Full Color Mode / Day Night Mode / Schedule
Backlight compensation	Off/On (5 Zone)
Wide dynamic range	120 dB.
Digital noise reduction	3D DNR
Privacy masking	Off/On (4 Zone, Rectangle)
Electronic shutter	1/5 ~ 1/20000 s
Warm-light range	Up to 20m
Warning light	2
AI / function profile	Full AI profile

2. LENS

Lens type	Motorized
Focal length	2.8–12 mm
Aperture	Max. F1.2
Field of view	Horizontal:107(W)-34(T)° VerticalV: 56(W)-19(T)°, Diagonal D:129(W)-39(T)°
Min. object distance	1.2m

4. STORAGE, AUDIO & ALARM

On-board storage	Micro SD slot, up to 256GB
Alarm I/O	N/A
Audio I/O	Built-in microphone & speaker
Hardware reset	Yes
Event recording	NVR and SD Card
Interfaces	1 × RJ45 (10/100Mbps), PoE

3. AI ANALYTICS

- Human & vehicle detection [M]
- Perimeter intrusion detection [M]
- Line crossing detection [M]
- Stationary object detection [M]
- Cross counting [M]
- Heat map [M]
- Crowd density detection [M]
- Queue length detection [M]
- Rare sound detection [M]
- Searchable AI metadata [P]
- Face recognition [M]
- License plate recognition [M]
- Face detection [P]

Functions depend on the verified AI package and firmware of the selected camera.

5. VIDEO & NETWORK

Ethernet	PoE Ethernet
Compression	H.265+/H.265/H.264
Main stream	30fps: 8MP (3840x2160), 5MP (2592x1944,3072x1728), 4MP (2592x1520), 3MP, 1080P
Sub stream	1080P (1920x1080), 720P (1280x720), VGA (640x480) @ 30fps
Mobile stream	VGA (640x480), QVGA (320x240) @ 30fps
Bit rate	256Kbps ~ 16Mbps
Bitrate control	CBR/VBR
Streaming	Unicast / Multicast
Protocols	"TCP/IP,HTTP,DHCP,DNS,DDNS,RTP/RTSP, SMTP,NTP,UPnP,SNMP,HTTPS,FTP"
Interoperability	ONVIF Profile S/G/T, RTSP

6. ELECTRICAL & ENVIRONMENTAL

Input power	DC12V/POE(IEEE802.3af)
Power - IR off	3.5-4.5W
Power - IR on	5.5W-7.5W
Operating conditions	-35~+60°C/less than ≤ 95% RH
Ingress protection	IP66
Material	Metal
Dimensions	—
Weight	—
Power consumption	Max. 12W

ORDERING INFORMATION

SKU	SPC-EBX001	**Model**	SPC-EBX08-M12-A3-WLD-G1
Description	8 MP Eyeball Camera		Specifications are subject to change without notice.