ENTERPRISE · EYEBALL

SPC-EBX08-F28-A4-WLD-G2

8 MP Eyeball Camera

EyeBall Full AI 8MP 30fps Ultra Low Light (1/1.8'Progressive CMOS) Mic & Speaker, Siren 1 IR up to 25m, 2 warm light+ 1red &1 blue light SD, POE in/out, reset, 1/1.8' Sensor

8 MP · 2.8mm · 30 fps · PoE in/out



8 MP	1/1.8" Progressive CMOS	2.8 mm	PoE in/out	ONVIF(Profile S/G/T/M)	IP67
Resolution	Image Sensor	Lens	PoE	ONVIF	Protection

EDGE AI ANALYTICS

PROTECTION
Reduce nuisance alarms

- Active deterrence
- Human fall detection [S]
- Smoke & fire detection [S]

OPERATIONAL INTELLIGENCE
Turn video into insight

- Next-generation AI
- Dynamic mosaic masking [S]
- AI ISP imaging [S]
- Ultra-long-distance detection [S]
- Dual-system backup [S]

IDENTIFICATION
Find what matters faster

- AI large-model universal recognition · 80 object classes [S]
- Human attribute recognition [S]
- Multi-dimensional vehicle attributes [S]

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	Active Deterrence	Perimeter Alarm	Low-light Areas	Night Monitoring

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/M)

ENTERPRISE TECHNICAL PRODUCT DATA

SPC-EBX08-F28-A4-WLD-G2

8 MP Eyeball Camera



1. CAMERA & IMAGING

Image sensor	1/1.8" Progressive CMOS
Effective pixels	8 MP
Minimum illumination	Color 0.0007lux @ 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	120dB
Digital noise reduction	3D DNR
Privacy masking	Off/On (4 Zone, Rectangle)
Electronic shutter	1/5 ~ 1/20000 s
Warning light	2
AI / function profile	Full AI profile

2. LENS

Lens type	Fixed
Focal length	2.8 mm
Aperture	F1.0
Field of view	Horizontal:110° Vertical:60° Diagonal:113°
Min. object distance	2.5m

4. STORAGE, AUDIO & ALARM

On-board storage	Micro SD slot, up to 512GB
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

- Active deterrence
- Human fall detection [S]
- Smoke & fire detection [S]
- Next-generation AI
- Dynamic mosaic masking [S]
- AI ISP imaging [S]
- Ultra-long-distance detection [S]
- Dual-system backup [S]
- Searchable AI metadata [S]
- AI large-model universal recognition · 80 object classes [S]
- Human attribute recognition [S]
- Multi-dimensional vehicle attributes [S]

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

5. VIDEO & NETWORK

Ethernet	PoE Ethernet
Compression	—
Main stream	8MP (3840×2160) @ 30fps; 5MP, 4MP, 3MP, 1080P, 960P, 720P
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/M)

6. ELECTRICAL & ENVIRONMENTAL

Input power	D12V/POE(IEEE802.3af)
Power - IR off	7.51W
Power - IR on	9.47W
Operating conditions	-35~+60°C/less than ≤ 90% RH
Ingress protection	IP67
Material	Metal
Dimensions	116mm
Weight	—

ORDERING INFORMATION

SKU	SPC-EBX006	**Model**	SPC-EBX08-F28-A4-WLD-G2
Description	8 MP Eyeball Camera		Specifications are subject to change without notice.