SHARPCAM

PROFESSIONAL · EYEBALL

SPC-EBP08-V12-A3-G1

8 MP Eyeball Camera

8MP 30fps Full AI fixed IP Eyeball camera with a 2.8–12 mm motorized varifocal lens, delivering high-quality video. Features AI-powered image enhancement, WDR, day/night functionality, alarm and audio support, SD card storage, PoE, power output, and reset function



8 MP	1/2.8" IMX415 sensor	2.8–12 mm	Up to 45m	H.265/H.264/ H.265+/H. 264+	PoE	ONVIF Profile S/G/T, RTSP	IP67
Resolution	Image Sensor	Lens	IR Range	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

PROFESSIONAL TECHNICAL PRODUCT DATA

SPC-EBP08-V12-A3-G1

8 MP Eyeball Camera

Former model reference: SS-RIE08-VMSP



1. CAMERA & IMAGING

Image sensor	1/2.8" IMX415 sensor
Effective pixels	8 MP
Minimum illumination	Color 0.009lux @ F1.6(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	WDR
Digital noise reduction	3D DNR
Privacy masking	Off/On (4 Zone, Rectangle)
Electronic shutter	1/5 ~ 1/20000 s
IR range	Up to 45m
AI / function profile	Full AI profile

2. LENS

Lens type	Motorized
Focal length	2.8–12 mm
Aperture	F No. 1.6
Field of view	115(W)-48(T)°, Vertical: 59(W)-27(T)°, Diagonal: 141(W)-55(T)°
Min. object distance	1.0m

4. STORAGE, AUDIO & ALARM

On-board storage	Micro SD slot, up to 256GB
Alarm I/O	1 input, 1 output
Audio I/O	1 input, 1 output
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.264/H.265+/H.264+
Main stream	8MP (3840×2160), 5MP (2880×1620), 4MP (2592×1520)
Sub stream	1080P (1920x1080), 720P (1280x720), VGA (640x480) @ 30fps
Mobile stream	VGA (640x480), QVGA (320x240) @ 30fps
Bit rate	256Kbps ~ 8Mbps
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	D12V/POE(IEEE802.3af)
Power - IR off	4W
Power - IR on	10W
Operating conditions	-35~+60°C/less than ≤ 95% RH
Ingress protection	IP67
Material	Metal
Dimensions	—
Weight	—

ORDERING INFORMATION

SKU	SPC-BEP004	**Model**	SPC-EBP08-V12-A3-G1

Description	8 MP Eyeball Camera	Specifications are subject to change without notice.