PROFESSIONAL · EYEBALL

SPC-EBP05-V12-A3-G1

5 MP Eyeball Camera

5MP Full AI Day/Night IP Eyeball Camera, motorized 2.7–12mm Varifocal Lens, AI Analytics, Alarm & Audio I/O, MicroSD, PoE, Power-Out & Hardware Reset.

5 MP · 2.8-12mm · PoE



5 MP	1/2.7"Progressive CMOS	2.8–12 mm	Up to 30m	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-EBP05-V12-A3-G1

5 MP Eyeball Camera

Former model reference: SS-RIE05-VMSP



1. CAMERA & IMAGING

Image sensor	1/2.7"Progressive CMOS
Effective pixels	5 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	DWDR
Digital noise reduction	3D DNR
Privacy masking	Off/On (4 Zone, Rectangle)
Electronic shutter	1/5 ~ 1/20000 s
IR range	Up to 30m
AI / function profile	Full AI profile

2. LENS

Lens type	Motorized
Focal length	2.8–12 mm
Aperture	F No. 1.8(W)-3.3(T)
Field of view	31(W)-102(T)°, Vertical: 23(W)-73(T)°, Diagonal: 38(W)-138(T)°
Min. object distance	0.3m~INF

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
Main stream	5MP (2880×1620), 4MP (2592×1520), 3MP (2304×1296)
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	Triple-Stream (Main/Sub/Mobile)
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	3.5-4.5W
Power - IR on	5.5W-7.5W
Operating conditions	-35~+60°C/less than ≤ 95% RH
Ingress protection	IP67
Material	Metal
Dimensions	—
Weight	—

ORDERING INFORMATION

SKU	SPC-BEP006	**Model**	SPC-EBP05-V12-A3-G1

Description	5 MP Eyeball Camera	Specifications are subject to change without notice.