PROFESSIONAL · EYEBALL

SPC-EBP05-F28-A2-G1

5 MP Eyeball Camera

5MP Full AI Day/Night IP Eyeball Camera, 2.8mm fixed Lens, AI lite Analytics, Alarm & Audio I/O, MicroSD, PoE, Power-Out & Hardware Reset.

5 MP · 2.8mm · 30 fps · PoE in/out



5 MP	1/2.7" Progressive Scan CMOS	2.8 mm	Up to 30m	H.265 / H.264	PoE in/out	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 classification [P]
- Perimeter intrusion [P]
- Line crossing [P]

OPERATIONAL INTELLIGENCE
Turn video into insight

IDENTIFICATION
Find what matters faster

- 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

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1. CAMERA & IMAGING

Image sensor	1/2.7" Progressive Scan CMOS
Effective pixels	5 MP
Minimum illumination	Color 0.003 lux @ 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 ~ 1/20,000 s
IR range	Up to 30m
AI / function profile	AI Lite profile

2. LENS

Lens type	Fixed
Focal length	2.8 mm
Aperture	F No. 1.8(W)-3.3(T)
Field of view	Horizontal: 79°, Vertical: 56°, Diagonal: 106°
Min. object distance	2.0m

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 classification [P]
- Perimeter intrusion [P]
- Line crossing [P]
- 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	30fps; 5MP (2880x1620), 4MP, 3MP, 1080P, 960P, 720P
Sub stream	720P (1280×720), VGA (640×480), QVGA (320×240) @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,PPPoE
Interoperability	ONVIF Profile S/G/T, RTSP

6. ELECTRICAL & ENVIRONMENTAL

Input power	D12V/POE(IEEE802.3af)
Power - IR off	2.5-3.5W
Power - IR on	4.5-6W
Operating conditions	-35~+60°C/less than ≤ 95% RH
Ingress protection	IP67
Material	Metal
Dimensions	—
Weight	—

ORDERING INFORMATION

SKU	SPC-BEP001	**Model**	SPC-EBP05-F28-A2-G1

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