ECO · EYEBALL

SPC-EBE04-F28-A0-G0

4 MP Eyeball Camera

4 MP eyeball network camera with a fixed 2.8mm lens, full-color/day-night illumination, built-in microphone, IP67 protection and verified SMD/perimeter event analytics.

4 MP · 2.8mm · 30 fps · 25 m · POE(IEEE802.3af)



4 MP	1/3" Progressive CMOS	2.8 mm	25 m	H.265/H.264	POE(IEEE802.3af)	ONVIF	IP67
Resolution	Image Sensor	Lens	IR Range	Compression	PoE	ONVIF	Protection

EDGE AI ANALYTICS

PROTECTION
Reduce nuisance alarms

- Pedestrian & vehicle detection
- Line crossing detection
- Intrusion detection

OPERATIONAL INTELLIGENCE
Turn video into insight

- Region entrance detection
- Region exit detection

IDENTIFICATION
Find what matters faster

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

ECO TECHNICAL PRODUCT DATA

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4 MP Eyeball Camera

Former model reference: SS-REE04-FWM



1. CAMERA & IMAGING

Image sensor	1/3" Progressive CMOS
Effective pixels	4 MP
Minimum illumination	Color 0.004lux @ F1.6(AGC ON) ; B/W 0 lux @ IR ON
Day / Night	Full Color Mode/Day&Night Mode/Smart Illumination
Backlight compensation	NA
Wide dynamic range	DWDR
Digital noise reduction	3D DNR
Privacy masking	NA
Electronic shutter	1/5 ~ 1/20000s
IR range	25 m
Warm-light range	Up to 20m
AI / function profile	SMD & perimeter events

2. LENS

Lens type	Fixed
Focal length	2.8 mm
Aperture	F No. 2.0
Field of view	Horizontal:96° , Vertical:52°, Diagonal: 113°
Min. object distance	1.8m

4. STORAGE, AUDIO & ALARM

On-board storage	Not supported
Alarm I/O	NA
Audio I/O	Built-in microphone
Hardware reset	NA
Event recording	NVR and SD Card
Interfaces	RJ45 10/100BASE-T, MicroSD, DC 12V, PoE

3. AI ANALYTICS

- Pedestrian & vehicle detection
- Line crossing detection
- Intrusion detection
- Region entrance detection
- Region exit detection

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

5. VIDEO & NETWORK

Ethernet	RJ45(10/100BASE-T)
Compression	H.265/H.264
Main stream	@30fps 4MP(2560x1440) 2MP(1920x1080) 720P(1280x720)
Sub stream	@30fps D1(704x480) VGA(640x480)"
Mobile stream	NA
Bit rate	512Kbps ~ 4Mbps
Bitrate control	CBR/VBR
Streaming	Unicast / Multicast
Protocols	TCP/IP,HTTP,DHCP,DNS,DDNS,RTP/RTSP, SMTP,NTP,HTTPS
Interoperability	ONVIF

6. ELECTRICAL & ENVIRONMENTAL

Input power	POE(IEEE802.3af)
Power - IR off	max3.28W
Power - IR on	max3.28W
Operating conditions	-35~+55°C/less than 90% RH
Ingress protection	IP67
Material	Plastic+Metal
Dimensions	—
Weight	—
Power consumption	PoE(48V):max3.28W

ORDERING INFORMATION

SKU	SPC-EBE001	**Model**	SPC-EBE04-F28-A0-G0

Description	4 MP Eyeball Camera	Specifications are subject to change without notice.