SHARPCAM

ECO · EYEBALL

SPC-EBE04-F28-DT-A1-G1

4 MP Eyeball Camera

Mic & Speaker, Siren 1 Array,2 warm light+ 1red &1 blue lightSD, POE in/out, reset

4 MP · 2.8mm · PoE in/out



4 MP	1/2.7" Progressive CMOS	2.8 mm	Up to 25m	H.265/H.264	PoE in/out	ONVIF Profile S/G/T/M	IP67
Resolution	Image Sensor	Lens	IR Range	Compression	PoE	ONVIF	Protection

EDGE AI ANALYTICS

PROTECTION
Reduce nuisance alarms

- Active deterrence
- Human & vehicle classification [P]

OPERATIONAL INTELLIGENCE
Turn video into insight

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	Active Deterrence	Perimeter Alarm

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

ECO TECHNICAL PRODUCT DATA

SPC-EBE04-F28-DT-A1-G1

4 MP Eyeball Camera



1. CAMERA & IMAGING

Image sensor	1/2.7" Progressive CMOS
Effective pixels	4 MP
Minimum illumination	0.018 Lux @ F1.6 (AGC ON) 0 Lux @ IR ON
Day / Night	Full Color / Day & Night / Smart Illumination
Backlight compensation	DWDR
Wide dynamic range	WDR
Digital noise reduction	3D DNR
Privacy masking	NA
Electronic shutter	1/5 ~ 1/20,000 sec
IR range	Up to 25m
Warm-light range	Up to 20m
Warning light	2
AI / function profile	Profile not stated

2. LENS

Lens type	Fixed
Focal length	2.8 mm
Aperture	F1.6
Field of view	Horizontal: 85°, Vertical: 45°, Diagonal: 102°
Min. object distance	2.0m

4. STORAGE, AUDIO & ALARM

On-board storage	Micro SD slot, up to 256GB
Alarm I/O	N/A
Audio I/O	Built-in microphone
Hardware reset	YES
Event recording	NVR and SD Card
Interfaces	RJ45 10/100BASE-T, MicroSD, DC 12V, PoE

3. AI ANALYTICS

- Active deterrence
- Human & vehicle classification [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	20fpd:4MP (2592x1520), 3MP (2304x1296), 1080P (1920x1080), 960P (1280x960), 720P (1280x720);
Sub stream	20 fps: 720P (1280×720), VGA (640×480), QVGA (320×240)
Mobile stream	20 fps: VGA (640×480), QVGA (320×240)
Bit rate	256 Kbps – 8 Mbps
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/M

6. ELECTRICAL & ENVIRONMENTAL

Input power	D12V/POE(IEEE802.3af)
Power - IR off	5.1W
Power - IR on	6.8W
Operating conditions	-35~+60°C/less than ≤ 95% RH
Ingress protection	IP67
Material	Metal
Dimensions	—
Weight	—

ORDERING INFORMATION

SKU	SPC-EBE002	**Model**	SPC-EBE04-F28-DT-A1-G1

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