SHARPCAM

PROFESSIONAL · CAMERA

SPC-TEP08-180-A3-G1

8 MP Camera Camera

8MP 180° Panoramic IP Camera with dual-lens image stitching, 5120×1440 resolution at 15fps, 2.8mm fixed lens. IR up to 30m, red & blue deterrence light, built-in microphone and speaker, alarm I/O, MicroSD, PoE, IP67 protection, Pan/Tilt, and advanced AI analytics.



8 MP	1/1.7" Progressive Scan CMOS	2.8 mm fixed lens	H.265+/H.265/ H.264+/H.264/ MJPEG,"	PoE	ONVIF (Profile S/G/T)	IP67
Resolution	Image Sensor	Lens	Compression	PoE	ONVIF	Protection

EDGE AI ANALYTICS

PROTECTION
Reduce nuisance alarms

- Active deterrence
- Human & vehicle classification [P]
- Perimeter intrusion [P]
- Line crossing [P]
- Stationary object [P]

OPERATIONAL INTELLIGENCE
Turn video into insight

- People / cross counting [P]
- Heat map [P]
- Crowd density [P]
- Queue length [P]
- Searchable AI metadata [P]

IDENTIFICATION
Find what matters faster

- Face detection [P]
- Face recognition [P]
- License plate recognition [P]

Analytics availability and simultaneous execution may vary by model, firmware and deployment architecture.

WHERE IT WORKS BEST

Wide-area situational awareness	Retail and public interiors	Occupancy context	Panoramic Coverage	Retail Halls	Lobbies	Public Areas	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)

PROFESSIONAL TECHNICAL PRODUCT DATA

SPC-TEP08-180-A3-G1

8 MP Camera Camera

Former model reference: SS-RIT08-P180



1. CAMERA & IMAGING

Image sensor	1/1.7" Progressive Scan CMOS
Effective pixels	8 MP
Minimum illumination	Color: 0.001 Lux @ F1.6, AGC ON
Day / Night	Full Color Mode / Day Night Mode / Schedule
Backlight compensation	BLC / HLC
Wide dynamic range	DWDR
Digital noise reduction	3D DNR
Privacy masking	Off/On (4 Zone, Rectangle)
Electronic shutter	YES
Warm-light range	Up to 15m
Warning light	4
AI / function profile	Full AI profile

2. LENS

Lens type	Fixed
Focal length	2.8 mm fixed lens
Aperture	F 1.0
Field of view	Horizontal: 180°
Min. object distance	N/A

4. STORAGE, AUDIO & ALARM

On-board storage	Built-In Memory Card Slot, Support MicroSD / SDHC / SDXC Card, 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	RJ45 (10/100BASE-T)), PoE

3. AI ANALYTICS

- Active deterrence
- Human & vehicle classification [P]
- Perimeter intrusion [P]
- Line crossing [P]
- Stationary object [P]
- People / cross counting [P]
- Heat map [P]
- Crowd density [P]
- Queue length [P]
- Searchable AI metadata [P]
- Face detection [P]
- Face recognition [P]
- License plate recognition [P]

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

5. VIDEO & NETWORK

Ethernet	PoE Ethernet
Compression	H.265+/H.265/H.264+/H.264/MJPEG,"
Main stream	60/50 Hz@15fps: 5120x1440, 4608x1296, 4096x1152, 3840x1080, 3072x864
Sub stream	60/50 Hz@15fps: 2048x576, 1536x432, 1024x288;
Mobile stream	@15fps: 640x480, @25fps: 480x480
Bit rate	256Kbps ~ 16Mbps
Bitrate control	CBR/VBR
Streaming	Unicast / Multicast
Protocols	TCP/IP, HTTP, DHCP, DNS, DDNS, RTP/RTSP, SMTP,NTP,UPnP,SNMP,HTTPS,FTP,PPPoE
Interoperability	ONVIF (Profile S/G/T)

6. ELECTRICAL & ENVIRONMENTAL

Input power	D12V/POE(IEEE802.3af)
Power - IR off	3.8W
Power - IR on	13.49W
Operating conditions	-30~+60°C/less than ≤ 95% RH
Ingress protection	IP67
Material	Metal
Dimensions	—
Weight	—

ORDERING INFORMATION

SKU	SPC-TEP001	**Model**	SPC-TEP08-180-A3-G1

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