SHARPCAM

PROFESSIONAL · PTZ

SPC-PTP05-Z25-A3-G1

5 MP PTZ Camera

5 MP PTZ camera with 25× optical zoom, a 5.0–125 mm lens (F1.5–F3.8), and 120 dB WDR. One CVBS output, one line-in audio input, one line-out audio output, one alarm input and one alarm output. Six IR LEDs with a range of 100 m. IP66 enclosure. Power: AC 24 V / PoE.



5 MP	1/2.7” SC500AI sensor Progressive CMOS	5.0–125 mm	100 m	PoE	ONVIF (Profile S/G/T)	IP66
Resolution	Image Sensor	Lens	IR Range	PoE	ONVIF	Protection

EDGE AI ANALYTICS

PROTECTION
Reduce nuisance alarms

- 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

Long-range live assessment	Large open areas	Operator-assisted tracking	City Surveillance	Large Sites	Wide Area Monitoring

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-PTP05-Z25-A3-G1

5 MP PTZ Camera

Former model reference: SS-RIP05x25P



1. CAMERA & IMAGING

Image sensor	1/2.7” SC500AI sensor Progressive 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 (8 Level)
Wide dynamic range	120 dB
Digital noise reduction	3D DNR
Privacy masking	Off/On (4 Zone, Rectangle)
Electronic shutter	1/5 ~ 1/20000 s
IR range	100 m
Complementary light	6 IR LEDs
AI / function profile	Full AI profile
Optical zoom	25×
PTZ resolution	PTZ

2. LENS

Lens type	Motorized
Focal length	5.0–125 mm
Aperture	F1.5–F3.8
Field of view	Horizontal: 55(W)-2.3 (T)°, Vertical: 41.6(W)-1.7(T)°, Diagonal: 67.9(W)-2.8(T)°
Min. object distance	NA

4. STORAGE, AUDIO & ALARM

On-board storage	Micro SD slot, up to 256GB
Alarm I/O	1 alarm input, 1 alarm output
Audio I/O	1 line-in audio, 1 line-out audio
Hardware reset	YES
Event recording	NVR and SD Card
Interfaces	1 CVBS output · 1 line-in audio · 1 line-out audio · 1 alarm input · 1 alarm output

3. AI ANALYTICS

- 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	—
Main stream	30fps; 5MP (2880x1620), 4MP, 3MP, 1080P, 960P, 720P
Sub stream	@30fps: 720p (1280x720), VGA (640x480), QVGA (320x240)
Mobile stream	@30fps: VGA (640x480), QVGA (320x240)
Bit rate	8Kbps ~ 8Mbps
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	AC 24 V / PoE
Power - IR off	NA
Power - IR on	NA
Operating conditions	-30~+60°C/less than ≤ 90% RH
Ingress protection	IP66
Material	Metal
Dimensions	Ø 160 mm × 270 mm (Ø 6.3" × 10.6")
Weight	Approx. 2.5 kg (5.51lb.)

ORDERING INFORMATION

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