ENTERPRISE · PTZ

# SPC-PTX04-Z04-A4-G2

## 4 MP PTZ Camera

PTZ 4MP AI ISP, AI NEXGEN 1.8' sensor F1.2 lens 4X optical Zoom Mic□Sperker□SD□POE□ reset 2.8 ~ 12mm WDR120DB 4pcs IR Distance 20m IP66 water proof DC 12V/POE

4 MP · 2.8 - 12mm · 20 m · PoE




| 4 MP | 1/1.8" SC500AI | 2.8–12 mm | 20 m | H.265 / H.264 | PoE | ONVIF Profile S/G/T, RTSP | IP66 |
|---|---|---|---|---|---|---|---|
| Resolution | Image Sensor | Lens | IR Range | Compression | PoE | ONVIF | Protection |

## EDGE AI ANALYTICS

### PROTECTION
Reduce nuisance alarms

- Human fall detection [S]
- Smoke & fire detection [S]

### OPERATIONAL INTELLIGENCE
Turn video into insight

- Next-generation AI
- Dynamic mosaic masking [S]
- AI ISP imaging [S]
- Ultra-long-distance detection [S]
- Dual-system backup [S]

### IDENTIFICATION
Find what matters faster

- AI large-model universal recognition · 80 object classes [S]
- Human attribute recognition [S]
- Multi-dimensional vehicle attributes [S]

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 | Low-light Areas | Night 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, RTSP

ENTERPRISE TECHNICAL PRODUCT DATA

# SPC-PTX04-Z04-A4-G2

## 4 MP PTZ Camera




### 1. CAMERA & IMAGING

| | |
|---|---|
| **Image sensor** | 1/1.8" SC500AI |
| **Effective pixels** | 4 MP |
| **Minimum illumination** | Color: 0.001 Lux @ F1.3 (AGC ON); B/W: 0 Lux @ IR ON |
| **Day / Night** | Full Color Mode / Day Night Mode / Schedule |
| **Backlight compensation** | N/A |
| **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** | 20 m |
| **AI / function profile** | Next-generation AI |

### 2. LENS

| | |
|---|---|
| **Lens type** | Motorized |
| **Focal length** | 2.8–12 mm |
| **Aperture** | F1.3 |
| **Field of view** | Horizontal: 114.6° (W)–48.3° (T); Vertical: 59° (W)–27.1° (T); Diagonal: 141.6° (W)–55.5° (T) |
| **Min. object distance** | N/A |

### 4. STORAGE, AUDIO & ALARM

| | |
|---|---|
| **On-board storage** | Micro SD, up to 256GB |
| **Alarm I/O** | N/A |
| **Audio I/O** | Built-in Microphone and Speaker |
| **Hardware reset** | YES |
| **Event recording** | NVR and SD Card |
| **Interfaces** | 1 × RJ45 (10/100Mbps), PoE |

### 3. AI ANALYTICS

- Human fall detection [S]
- Smoke & fire detection [S]
- Next-generation AI
- Dynamic mosaic masking [S]
- AI ISP imaging [S]
- Ultra-long-distance detection [S]
- Dual-system backup [S]
- Searchable AI metadata [S]
- AI large-model universal recognition · 80 object classes [S]
- Human attribute recognition [S]
- Multi-dimensional vehicle attributes [S]

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;4MP (2560×1440) 3MP (2304×1269) 2MP (1920×1080) |
| **Sub stream** | @30fps;720p (1280×720) VGA (640×480) QVGA (320×240) |
| **Mobile stream** | QVGA (320×240) @30fps |
| **Bit rate** | 256Kbps ~ 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, RTSP |

### 6. ELECTRICAL & ENVIRONMENTAL

| | |
|---|---|
| **Input power** | D12V/POE(IEEE802.3af) |
| **Power - IR off** | NA |
| **Power - IR on** | NA |
| **Operating conditions** | -35~+60°C/less than ≤ 90% RH |
| **Ingress protection** | IP66 |
| **Material** | Metal |
| **Dimensions** | — |
| **Weight** | — |

### ORDERING INFORMATION

| | | | |
|---|---|---|---|
| **SKU** | SPC-PTX001 | **Model** | SPC-PTX04-Z04-A4-G2 |

| | | |
|---|---|---|
| **Description** | 4 MP PTZ Camera | Specifications are subject to change without notice. |