

MODEL #

**SPTZD4XIP4MP-AI+**



# ULTRA SERIES AI+ SPECTRAL CAMERA

Onvif® | GMS1 | NDAA Compliant | AI



**4MP**  
RESOLUTION



**4MP**  
Resolution

**2.8-12MM**  
Motorized Lens



**IR Up to 35M**



**See In Full Color**  
**At Night**



**Two-Way**  
**Communication**



**Deterrence**  
**Lights**



**Audio/Alarm**  
**In/Out**



**Siren**



**IP67**  
**Waterproof &**  
**Dustproof**



**Micro SD Card**  
**Slot up to 1TB**

Delivering reliable surveillance performance, the **SPTZD4XIP4MP-AI+** provides real-time video output at a maximum resolution of 2688 × 1520 @ 30fps, ensuring clear and detailed image quality. Equipped with AI-ISP technology, it delivers excellent noise reduction for improved clarity in various lighting conditions. The camera features intelligent analytics, auto-tracking, and supports a dual supplementary lighting system with warm light and infrared for enhanced performance both day and night. Advanced imaging functions including backlight compensation, strong light suppression, 3D digital noise reduction, and 120dB wide dynamic range (WDR) enable optimal performance across different video environments. It is equipped with one built-in microphone, one built-in speaker, audio input/output, and alarm input/output for enhanced integration and communication. Designed for durability, the device meets IP67 standards for dust and water resistance.



## VIDEO

|                   |                                                    |
|-------------------|----------------------------------------------------|
| Image Sensor      | 1/1.8"                                             |
| Max. Resolution   | 4MP 2688(H)×1520(V)@30fps                          |
| Min. Illumination | Color 0.0007lux @ F1.2(AGC ON) ; B/W 0 lux @ IR ON |
| Scanning System   | Progressive CMOS                                   |

## LENS TYPE

|                       |                                                                       |
|-----------------------|-----------------------------------------------------------------------|
| Focal Length          | 2.8-12mm                                                              |
| Aperture              | Max. F1.2                                                             |
| Angular Field of View | Horizontal:113(W)-48(T)° Vertical:59(W)-27(T)° Diagonal:139(W)-55(T)° |
| Min. Object Distance  | W 1.75m, T 5.21m                                                      |

## DORI

|      |                                                                          |
|------|--------------------------------------------------------------------------|
| DORI | W: D:60.4m O:24.2m R:12.1m I: 6m<br>T: D:128.7m O:51.5m R:25.7m I: 12.9m |
|------|--------------------------------------------------------------------------|

## PTZ

|                      |                                                |
|----------------------|------------------------------------------------|
| Movement Range(Pan)  | 350°                                           |
| Movement Range(Tilt) | 0° to 80°                                      |
| Pan Speed            | Pan speed: configurable from 0.6° to 54°/s     |
| Tilt Speed           | Tilt speed: configurable from 0.6° to 52°/s    |
| Presets              | 255(Preset calls have a limit of 20,000 times) |

## APPROVAL

|             |                                                                                                                      |
|-------------|----------------------------------------------------------------------------------------------------------------------|
| EMC         | EN 55032:2015+A1:2020, EN 55035:2017+A11: 2020 , EN IEC 61000-3-2:2019+A2:2024, EN 61000-3-3:2013+A2:2021+AC:2022-01 |
| Safety      | CE:EN IEC 62368-1:2020+A11:2020 FCC:FCC Rules and Regulations Part 15 Subpart B                                      |
| Environment | CE-RoHS:(EU) 2015/863                                                                                                |

## NETWORK

|                          |                                                                                                                                                                                                                  |
|--------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Ethernet                 | RJ45(10/100BASE-T)                                                                                                                                                                                               |
| Video Compression        | H.265/H.264/H.265+/H.264+/MJPEG                                                                                                                                                                                  |
| Resolution               | <b>Mainstream@30fps</b><br>4MP(2688x1520),3MP(2304x1296),1080P (1920x1080)<br><b>Substream@30fps</b><br>1080P(1920x1080),720P(1280x720),VGA(640x480)<br><b>Mobilestream@30fps</b><br>VGA(640x480), QVGA(320x240) |
| Video Quality Adjustment | 256Kbps ~ 8Mbps                                                                                                                                                                                                  |
| Bitrate control method   | CBR/VBR                                                                                                                                                                                                          |
| IP                       | IPv6                                                                                                                                                                                                             |
| Protocol                 | TCP/IP,HTTP,DHCP,DNS,DDNS,RTP/RTSP, SMTP,NTP,UPnP,SNMP,HTTPS,FTP                                                                                                                                                 |
| Security                 | IP address filter;complicated password; Authenticated username and password                                                                                                                                      |
| IP Camera protocol       | ONVIF( Profile S/G/T/M)                                                                                                                                                                                          |
| Image Setting            | Full Color Mode/Day&Night Mode/Smart Illumination                                                                                                                                                                |
| Web Viewer               | IE10/11<br>Safari V12.1 above<br>Firefox V.52 above<br>Google chrome V.57 above<br>Edge V.79 above                                                                                                               |

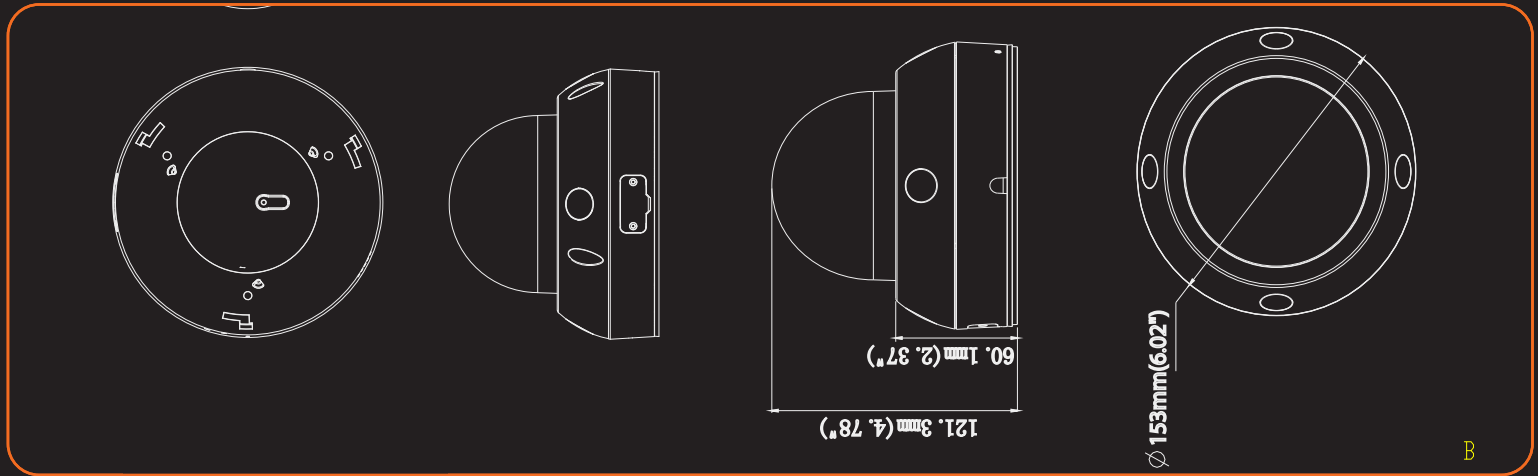
## GENERAL

|                         |                                        |
|-------------------------|----------------------------------------|
| Operating Temperature   | -35~+60°C/less than ≤ 90% RH           |
| Outdoor Ready           | IP67, IK10                             |
| Input Voltage / Current | DC12V/PoE(IEEE 802.3at)                |
| Power Consumption       | DC12V: max 10.5W; POE(48V): max 12.6 W |
| Material                | Metal                                  |

**OPERATIONAL**

|                                    |                                                                                                                                                                                                                                                                                                    |
|------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>IR LED</b>                      | 4                                                                                                                                                                                                                                                                                                  |
| <b>Warmlight</b>                   | 4                                                                                                                                                                                                                                                                                                  |
| <b>Red Blue Light</b>              | 2(1 Red&1 Blue)                                                                                                                                                                                                                                                                                    |
| <b>IR Viewable Length</b>          | Up to 35m                                                                                                                                                                                                                                                                                          |
| <b>Warm Light Viewable Length</b>  | Up to 25m                                                                                                                                                                                                                                                                                          |
| <b>Type of complementary light</b> | Default warm light, switchable infrared light                                                                                                                                                                                                                                                      |
| <b>Motion Detection</b>            | Off/On (8 Level)                                                                                                                                                                                                                                                                                   |
| <b>Wide Dynamic Range</b>          | WDR                                                                                                                                                                                                                                                                                                |
| <b>Digital Noise Reduction</b>     | 3D DNR                                                                                                                                                                                                                                                                                             |
| <b>Image Setting</b>               | Full Color Mode/Day&Night Mode/Smart Illumination                                                                                                                                                                                                                                                  |
| <b>White Balance</b>               | Auto/Manual                                                                                                                                                                                                                                                                                        |
| <b>Electronic Shutter Speed</b>    | 1/5 ~ 1/20000s                                                                                                                                                                                                                                                                                     |
| <b>Edge Storage</b>                | Micro SD slot, up to 1TB                                                                                                                                                                                                                                                                           |
| <b>Alarm</b>                       | 1 input, 1 output                                                                                                                                                                                                                                                                                  |
| <b>Audio</b>                       | 1 input, 1 output , Built-in microphone&-Speaker                                                                                                                                                                                                                                                   |
| <b>Custom Voice</b>                | Yes                                                                                                                                                                                                                                                                                                |
| <b>Hardware Reset</b>              | Yes                                                                                                                                                                                                                                                                                                |
| <b>AI Feature</b>                  | Face Recognition, Pedestrian & Vehicle, Perimeter Intrusion, Multi-Target-Type Recognition, Line Crossing, Object Detection, Crossing Counting, Heat Map, Crowd Density, Queue Length, License Plate, Rare Sound, Intrusion, Region Entrance, Region Exiting, Fall Detection, Fire&Smoke Detection |
| <b>Smart Tracking</b>              | Auto-tracking                                                                                                                                                                                                                                                                                      |

## DIMENSIONS



## COMPATIBLE ACCESSORIES

### CEILING MOUNT SOLUTION



### CORNER MOUNT SOLUTION



### POLE MOUNT SOLUTION



### WALL MOUNT SOLUTION



### JUNCTION BOX



DOWNLOAD THE OV CONNECT APP

