

MODEL #

SPTZD4XIP8MP-AI+



ULTRA SERIES AI+ SPECTRAL CAMERA

Onvif® | GMS1 | NDAA Compliant | AI



8MP
RESOLUTION



8MP
Resolution

2.8-12MM
Lens



IR Up to 35M

See In Full Color
At Night



Two-Way
Communication

Audio/Alarm
In/Out



Auto
Tracking

IK10 Impact
Resistant



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 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	8MP 3840(H)×2160(V)@30fps
Min. Illumination	Color 0.001lux @ 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:87.6m O:35m R:17.5m I: 8.8m T: D:186.6m O:74.6m R:37.3m I: 18.7m
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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	Mainstream@30fps 8MP(3840x2160),5MP(2592x1944,3072x1728),4MP(2304x1536),3MP(2304x1296),1080P(1920x1080),960P(1280*960),720P(1280x720) Substream@30fps 720P(1280x720),VGA(640x480),QVGA(320x240) Mobilestream@30fps VGA(640x480), QVGA(320x240)
Video Quality Adjustment	256Kbps ~ 16Mbps
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 Safari V12.1 above Firefox V.52 above Google chrome V.57 above Edge V.79 above

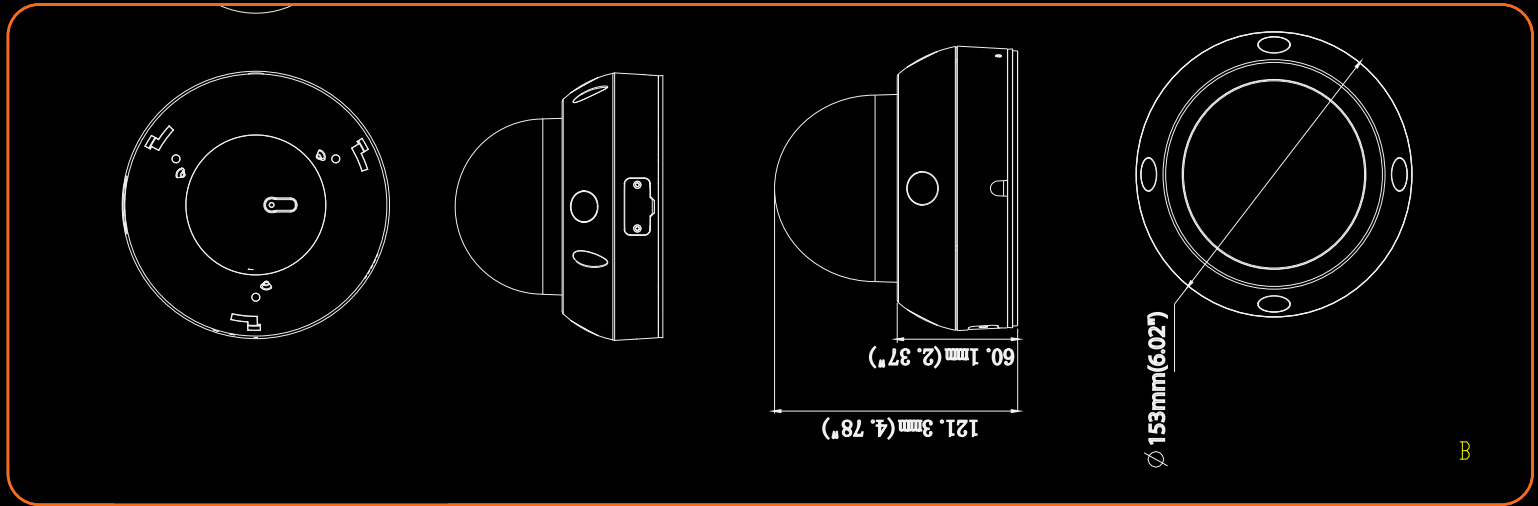
GENERAL

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

IR LED	4
Warmlight	4
Red Blue Light	2(1 Red&1 Blue)
IR Viewable Length	Up to 35m
Warm Light Viewable Length	Up to 25m
Type of complementary light	Default warm light, switchable infrared light
Motion Detection	Off/On (8 Level)
Wide Dynamic Range	WDR
Digital Noise Reduction	3D DNR
Image Setting	Full Color Mode/Day&Night Mode/Smart Illumination
White Balance	Auto/Manual
Electronic Shutter Speed	1/5 ~ 1/20000s
Edge Storage	Micro SD slot, up to 1TB
Alarm	1 input, 1 output
Audio	1 input, 1 output , Built-in microphone
Custom Voice	Yes
Hardware Reset	Yes
AI Feature	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
Smart Tracking	Auto-tracking

DIMENSIONS



COMPATIBLE ACCESSORIES

CEILING MOUNT SOLUTION



CORNER MOUNT SOLUTION



POLE MOUNT SOLUTION



WALL MOUNT SOLUTION



JUNCTION BOX



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