

MODEL #

XST3ZTA2812IP8MP-AI+



ULTRA SERIES AI+ SPECTRAL CAMERA

Onvif® | GMS1 | NDAA Compliant | AI



8MP
RESOLUTION



8MP
Resolution

2.8-12MM
Lens



IR Up to 30M

**See In Full Color
At Night**



**Two-Way
Communication**

**Audio/Alarm
In/Out**



IP67
**Waterproof &
Dustproof**

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

Delivering high-performance surveillance, the **XST3ZTA2812IP8MP-AI+** provides real-time video output at a maximum resolution of 3840×2160 @ 30fps, ensuring ultra-sharp and detailed image quality. Equipped with advanced AI-ISP technology, it offers excellent noise reduction for clear visuals in various lighting conditions. The camera features intelligent analytics, supporting accurate detection capabilities, while its dual supplementary lighting system (warm light and infrared) ensures reliable performance both day and night. Enhanced imaging technologies including backlight compensation, strong light suppression, 3D digital noise reduction, and 120dB wide dynamic range (WDR) allow the camera to adapt seamlessly to complex and changing environments. For audio and security integration, the device is equipped with one built-in microphone, one built-in speaker, audio input/output interfaces, and alarm input/output, enabling real-time communication and responsive security applications. Built for durability, the camera meets IP67 standards, providing strong resistance against dust and water, making it suitable for both indoor and outdoor installations.

ULTRA SERIES AI+ SPECTRAL CAMERA XST3ZTA2812IP8MP-AI+
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

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

OPERATIONAL

IR LED	2
Warmlight	2
Red Blue Light	2(1 Red&1 Blue)
IR Viewable Length	Up to 30m
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&-Speaker
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

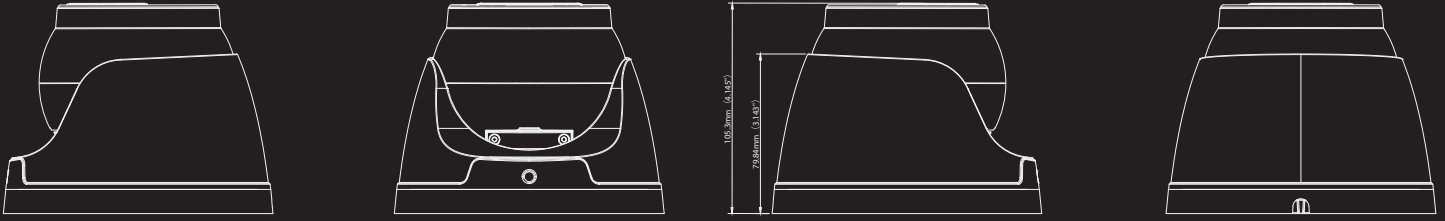
NETWORK

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(2592x1520),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)
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
Input Voltage / Current	DC 12V/POE
Power	TBD
Material	Metal

DIMENSIONS



COMPATIBLE ACCESSORIES

CEILING MOUNT SOLUTION



 **CMB6-G**
CEILING MOUNT



 **EB3BASE3-G**
PENDANT

CORNER MOUNT SOLUTION



 **COMB6**
CORNER MOUNT BRACKET

POLE MOUNT SOLUTION



 **PMB6**
POLE MOUNT BRACKET

WALL MOUNT SOLUTION



 **WMB5**
WALLMOUNT BRACKET

OR



 **WMB6**
WALLMOUNT BRACKET



 **EB3BASE3-G**
PENDANT

JUNCTION BOX



 **EB3BASE3**
JUNCTION BOX

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