

MODEL #

XSD6ZA2812IP4MP-AI+



ULTRA SERIES AI+ **SPECTRAL CAMERA**

Onvif® | GMS1 | NDAA Compliant | AI



4MP
RESOLUTION



4MP
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 reliable surveillance performance, the **XSD6ZA2812IP4MP-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 day and night performance. 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.





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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

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

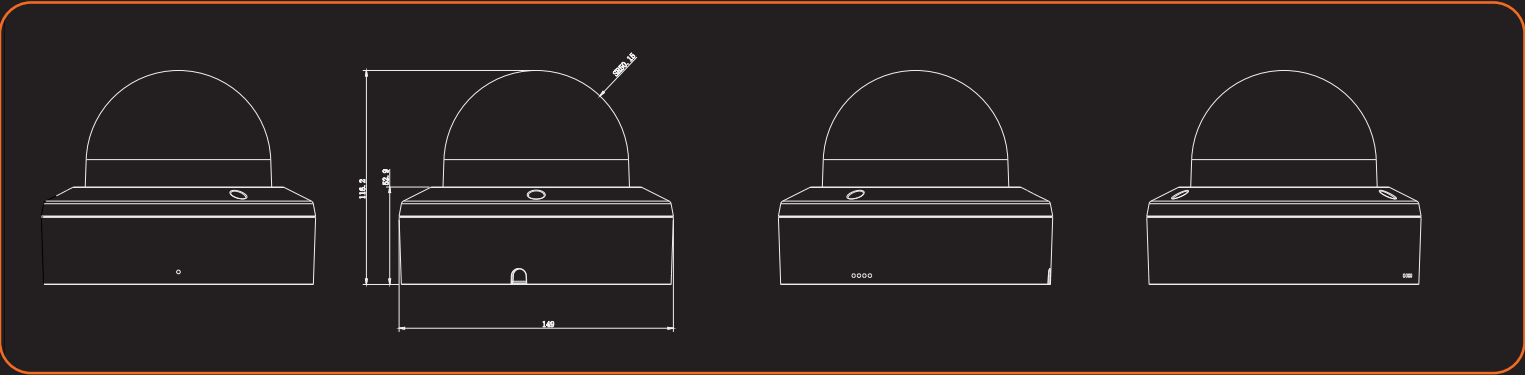
Ethernet	RJ45(10/100BASE-T)
Video Compression	H.265/H.264/H.265+/H.264+/MJPEG
Resolution	Mainstream@30fps 4MP(2688x1520),3MP(2304x1296),1080P(1920x1080) Substream@30fps 1080P(1920x1080),720P(1280x720),VGA(640x480) Mobilestream@30fps VGA(640x480), QVGA(320x240)
Video Quality Adjustment	256Kbps ~ 8Mbps
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)
Web Viewer	IE10/11 Safari V12.1 above Firefox V.52 above Google chrome V.57 above Edge V.79 above

GENERAL

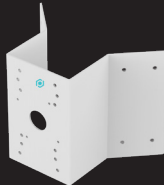
Operating Temperature	-35~+60°C/less than ≤ 90% RH
Outdoor Ready	IP67
Input Voltage / Current	DC 12V/POE
Power	TBD
Material	Metal



DIMENSIONS



COMPATIBLE ACCESSORIES

CEILING MOUNT SOLUTION		CORNER MOUNT SOLUTION	POLE MOUNT SOLUTION
	+		
 CMB6-G CEILING MOUNT		 COMB6 CORNER MOUNT BRACKET	 PMB6 POLE MOUNT BRACKET
WALL MOUNT SOLUTION			JUNCTION BOX
	OR		
 WMB5 WALLMOUNT BRACKET		 WMB6 WALLMOUNT BRACKET	 EB3BASE3 JUNCTION BOX
			
		 EB3BASE3-G PENDANT	









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