

MODEL #

XSB2IP8MP28-AI+



ULTRA SERIES AI+ SPECTRAL CAMERA

Onvif® | GMST | NDAA Compliant | AI



8MP
RESOLUTION



8MP
Resolution

2.8MM
Lens



IR Up to
25M

See In Full Color
At Night



Two-Way
Communication

Audio/Alarm
In/Out



IP67
Waterproof &
Dustproof

Micro SD Card
Slot up to 1TB

Introducing the **XSB2ATVIP8MP28-AI+**, an advanced security camera engineered to deliver reliable and high-quality surveillance for a wide range of environments. Providing real-time video output at a maximum resolution of 2688×1520 at 30fps, it ensures clear and detailed monitoring for everyday security needs. Powered by AI-ISP technology, the camera delivers an excellent noise reduction effect, improving image clarity even in challenging conditions. With intelligent analytics, it enhances monitoring capabilities for smarter and more efficient surveillance. Designed for versatile lighting conditions, the camera supports warm light and infrared dual supplementary lighting, allowing effective monitoring both day and night. It also supports backlight compensation, strong light suppression, 3D digital noise reduction, and a 120dB wide dynamic range, making it suitable for different video environments while maintaining balanced and clear images. For enhanced interaction and monitoring, the device is equipped with 1 built-in microphone and 1 built-in speaker, enabling audio functionality. Built for durability, it is designed to meet IP67 dust and water resistance standards, ensuring reliable performance in both indoor and outdoor installations.

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VIDEO

Image Sensor	1/1.8"
Max. Resolution	8MP 3840(H)×2160(V)@30fps
Min. Illumination	Color 0.0007lux @ F1.0(AGC ON) ; B/W 0 lux @ IR ON
Scanning System	Progressive CMOS

LENS

Focal Length	2.8 mm
Aperture	F1.0
Angular Field of View	Horizontal:110° Vertical:60° Diagonal:113°
Min. Object Distance	2.5m

OPERATIONAL

IR LED	1
Warmlight	2
Red Blue Light	2(1 Red&1 Blue)
IR Viewable Length	Up to 25m
Warm Light Viewable Length	Up to 20m
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	NA
Audio	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) (640x480) 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

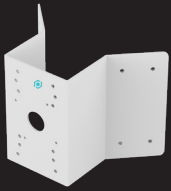
Operating Temperature	-35~+60°C/less than ≤ 90% RH
Outdoor Ready	IP67
Input Voltage / Current	DC 12V/POE
Power	DC12V: max 7.22W; PoE(48V): max 8.81W
Material	Metal

DIMENSIONS



COMPATIBLE ACCESSORIES

CORNER MOUNT SOLUTION



COMB6
CORNER MOUNT BRACKET

POLE MOUNT SOLUTION



PMB6
POLE MOUNT BRACKET

JUNCTION BOX



B6BASE1
JUNCTION BOX

WALL MOUNT SOLUTION

Included

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