MODEL #

XSD6ZA2812IP8MP-AI+

OCTAVUE® BY GSD GROUP

ULTRA SERIES AI+

SPECTRAL CAMERA

ONVIF | GMST | NDAA Conforme | AI



8MP RESOLUTION

8MP
3840(H)×2160(V)

2.8–12 mm

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 **XSD6ZA2812IP8MP-AI+** provides real-time video output at a maximum resolution of 3840 × 2160 @ 30fps, ensuring ultra-clear and detailed image quality. Equipped with AI-ISP technology, it delivers excellent noise reduction for enhanced clarity in various lighting conditions. The camera features intelligent analytics and supports a dual supplementary lighting system with warm light and infrared for reliable day and night performance. Advanced imaging technologies including backlight compensation, strong light suppression, 3D digital noise reduction, and 120dB wide dynamic range (WDR) allow optimal performance in different video environments. It is equipped with one built-in microphone, one built-in speaker, audio input/output, and alarm input/output for seamless integration and real-time communication. Designed for durability, the device meets IP67 standards for dust and water resistance.

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ULTRA SERIES AI+ SPECTRAL CAMERA XSD6ZA2812IP8MP-AI+

VIDEO

Sensor	1/1.8" Progressive Scan CMOS
Max Resolution	8MP 3840×2160@30fps
Min Illumination	Color 0.001 lux @ F1.2 (AGC on); B/W 0 lux (IR on)
Scanning System	Progressive Scan CMOS

LENS

Focal Length (mm)	2.8–12 mm
Aperture	F1.2
Field of View	H 113–48° / V 59–27° / D 139–55°
Min. Object Distance	1.75 m (W) / 5.21 m (T)

OPERATIONAL

IR Led Count	2
Warm Light Count	2
Deterrent Lights	2 (1 red & 1 blue) + siren
IR Range	30 m
Warm Light Range	25 m
Supplement Light Type	Default warm light, switchable infrared light
Motion Detection	Off/On (8 Levels)
Wide Dynamic Range (WDR)	WDR 120 dB
3D Noise Reduction	3D DNR
Image Settings	Full Color Mode/Day&Night Mode/Smart Illumination
White Balance	Auto/Manual
Shutter Speed	1/5 – 1/20000 s
Onboard Storage	Micro SD, up to 1TB
Alarm I/O	1 in / 1 out
Audio Type	1 in / 1 out, built-in microphone & speaker
Custom Voice	Yes
Hardware Reset	Yes
Ai Features	Face Recognition (FR), Pedestrian & Vehicle Detection (PD&VD), Perimeter Intrusion Detection (PID), Multi-Target-Type Recognition (MTR), Line Crossing Detection (LCD), Stationary Object Detection (SOD), Cross Counting (CC), Heat Map (HM), Crowd Density Detection (CD), Queue Length Detection (QD), License Plate Detection (LPD), Rare Sound Detection (RSD), Intrusion Detection (ID), Region Entrance & Exiting (RE), Fall Detection (FAD), Fire & Smoke Detection (FSD)

NETWORK

Ethernet	1× RJ45 (10/100BASE-T)
Compression	H.265+/H.265/H.264+/H.264/MJPEG
Resolution	**Main Stream @30fps** 8MP(3840x2160), 5MP(2592x1944, 3072x1728), 4M 3MP(2304x1296), 1080P(1920x1080), 960P(1280* 720P(1280x720) **Sub Stream @30fps** 720P(1280x720), VGA(640x480), QVGA(320x240) **Mobile Stream @30fps** VGA(640x480), QVGA(320x240)
Bitrate Range	256 Kbps – 16 Mbps
Bitrate Control	CBR/VBR
IP Version	IPv4/IPv6
Protocols	TCP/IP, HTTP, DHCP, DNS, DDNS, RTP/RTSP, SMTP, NTP, UPnP, SNMP, HTTPS, FTP
Security	IP address filter; complicated password; Authenticated username and password
ONVIF Profile	Profile G/M/S/T
Web Viewer	IE 10/11, Chrome 57+, Firefox 52+, Safari 12.1+, Edge 79+

GENERAL

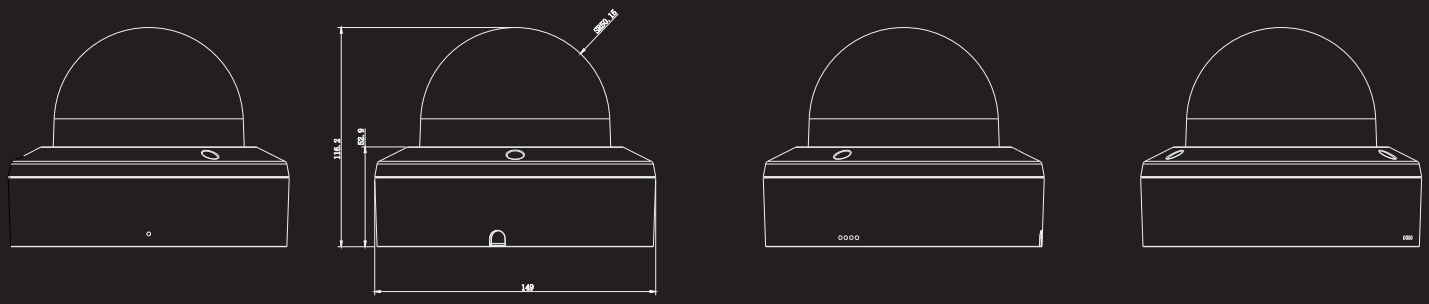
Operating Temp	-35°C to +60°C
IP Rating | Ik Rating	IP67
Input Voltage	DC12V / PoE
Material	Metal

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DIMENSIONS



COMPATIBLE ACCESSORIES

CIELING MOUNT SOLUTION



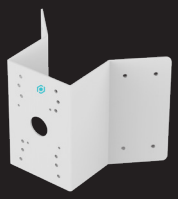
+



CMB6-G
CEILING MOUNT

EB3BASE3-G
PENDANT

CORNER MOUNT SOLUTION



COMB6
CORNER MOUNT BRACKET

POLE MOUNT SOLUTION



PMB6
POLE MOUNT BRACKET

WALL MOUNT SOLUTION



OR



+



WMB5
WALLMOUNT BRACKET

WMB6
WALLMOUNT BRACKET

EB3BASE3-G
PENDANT

JUNCTION BOX



EB3BASE3
JUNCTION BOX

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