

MODEL #

**XSB8ZA2812IP4MP-AI+**



## ULTRA SERIES AI+ **SPECTRAL CAMERA**

ONVIF | GMSI | NDAA Compliant | A



**4MP**  
RESOLUTION



**4MP**  
Resolution

**2.8-12MM**  
Lens



**IR Up to 45M**

**See In Full Color**  
**At Night**



**Two-Way**  
**Communication**

**Deterrence**  
**Lights**



**Audio/Alarm**  
**In/Out**

**Siren**



**IP67**  
**Waterproof &**  
**Dustproof**

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

Delivering reliable surveillance performance, the **XSB8ZA2812IP4MP-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.





# ULTRA SERIES AI+ SPECTRAL CAMERA XSB8ZA2812IP4MP-AI+

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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                      | 4                                                                                                                                                                                                                                                                                                  |
| Warmlight                   | 4                                                                                                                                                                                                                                                                                                  |
| Red Blue Light              | 2(1 Red&1 Blue)                                                                                                                                                                                                                                                                                    |
| IR Viewable Length          | Up to 45m                                                                                                                                                                                                                                                                                          |
| Warm Light Viewable Length  | Up to 30m                                                                                                                                                                                                                                                                                          |
| 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               | <b>Mainstream@30fps</b><br>4MP(2688x1520),3MP(2304x1296),<br>1080P(1920x1080)<br><b>Substream@30fps</b><br>1080P(1920x1080),720P(1280x720),VGA(640x480)<br><b>Mobilestream@30fps</b><br>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;<br>Authenticated username and password                                                                                                                                      |
| IP Camera protocol       | ONVIF( Profile S/G/T/M)                                                                                                                                                                                             |
| Web Viewer               | IE10/11<br>Safari V12.1 above<br>Firefox V.52 above<br>Google chrome V.57 above<br>Edge V.79 above                                                                                                                  |

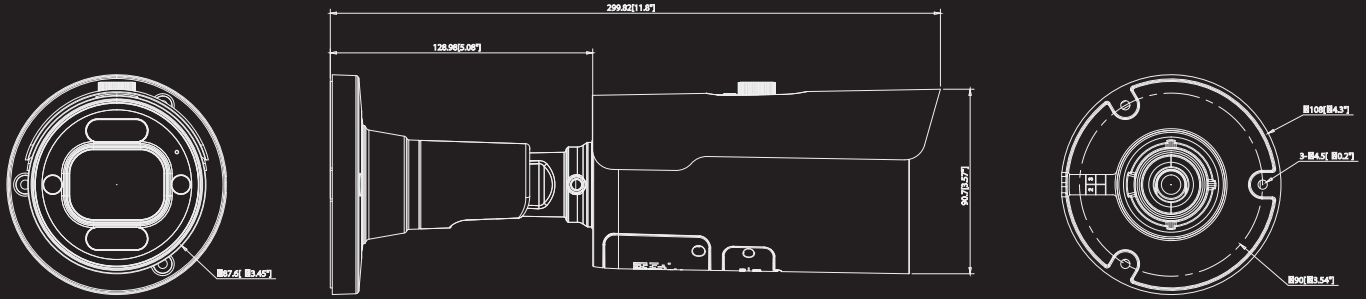
## GENERAL

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



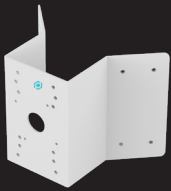


## DIMENSIONS



## COMPATIBLE ACCESSORIES

### CORNER MOUNT SOLUTION



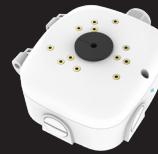
**COMB6**  
CORNER MOUNT BRACKET

### POLE MOUNT SOLUTION



**PMB6**  
POLE MOUNT BRACKET

### JUNCTION BOX



**B6BASE1**  
JUNCTION BOX

### WALL MOUNT SOLUTION

Included

DOWNLOAD THE OV CONNECT APP

