

MODEL #

**XST3ZTA2812IP4MP-AI+**



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

Onvif® | GMS1



Delivering high-performance surveillance, the **XST3ZTV2812IP4MP-AI+** provides real-time video output at a maximum resolution of 2688 × 1520 @ 30fps, ensuring 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.

**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**



# **ULTRA SERIES AI+ SPECTRAL CAMERA XST3ZTA2812IP4MP-AI+**

## 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 |

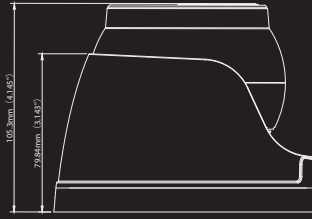
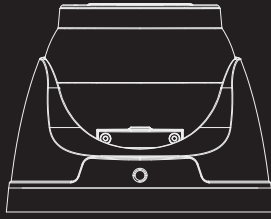
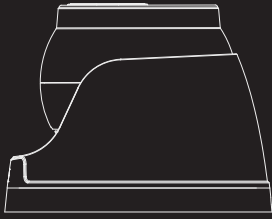
## NETWORK

|                          |                                                                                                                                                                                                                         |
|--------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Ethernet                 | RJ45(10/100BASE-T)                                                                                                                                                                                                      |
| Video Compression        | H.265/H.264/H.265+/H.264+/MJPEG                                                                                                                                                                                         |
| Resolution               | <b>Mainstream@30fps</b><br>4MP(2688x1520),3MP(2304x1296),<br>1080P(1920x1080)<br><b>Substream@30fps</b><br>1080P(1920x1080),720P(1280x720),VGA<br>(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; 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                   | DC12V: max 6.96W; PoE(48V): max 8.62W |
| Material                | Metal                                 |

## DIMENSIONS



## COMPATIBLE ACCESSORIES

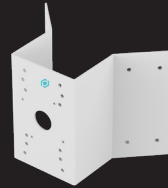
### CEILING MOUNT SOLUTION



 **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

 **WMB6**  
WALLMOUNT BRACKET

 **EB3BASE3-G**  
PENDANT

### JUNCTION BOX



 **EB3BASE3**  
JUNCTION BOX

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