



# IP-8EB-F28-DSA

Standard Level SmartLight

8MP Standard SmartLight Fixed Turret  
Network Camera



- 8MP (3840×2160) Maximum Resolution
- Up to 20 fps at 8MP (3840×2160) Resolution
- 1/2.7" CMOS Image Sensor
- Min. Illumination: 0.007 Lux (Color) / 0.0007 Lux (B/W) at F1.6
- Built-in White Light & IR, Up to 100 ft (30.48 m) Illumination Range
- AI-Powered Video Content Analytics: Line Crossing & Intrusion
- Intelligent Motion Detection for Human & Vehicle Targets
- Built-in Microphone
- Built-in microSD Card Slot, Up to 256 GB
- 12 VDC / PoE (802.3af) Power Supply
- IP67 Ingress Protection Rating

## SPECIFICATION

### Camera

|                    |                                                  |
|--------------------|--------------------------------------------------|
| Image Sensor       | 1/2.7" CMOS                                      |
| Min. Illumination  | 0.007 Lux @ F1.6 (Color), 0.0007 Lux @ F1.6(B/W) |
| E-shutter Speed    | Auto/Manual 1/3 s–1/100,000 s                    |
| S/N Ratio          | > 56 dB                                          |
| Noise Reduction    | 3D NR                                            |
| Wide Dynamic Range | 120 dB                                           |
| Day & Night        | Color/B/W                                        |
| Angle Adjustment   | Pan and Rotation: 0°-360°<br>Tilt: 0°-78°        |
| Lens Type          | Fixed-focal 2.8mm at F1.6                        |
| Iris Type          | Fixed                                            |
| Field of View      | Horizontal: 110°, Vertical: 58°, Diagonal: 132°  |



|                     |                                                                                                                         |
|---------------------|-------------------------------------------------------------------------------------------------------------------------|
| Close Focus Range   | 4.92 ft (1.5 m)                                                                                                         |
| DORI                | Detect: 277.23 ft (84.5 m)<br>Observe: 110.27 ft (33.6 m)<br>Recognize: 54.46 ft (16.6 m)<br>Identify: 27.23 ft (8.3 m) |
| Illuminators        | 1 x White Light, 1 x IR Light                                                                                           |
| Illumination Range  | Up to 100 ft (30.48 m) IR, up to 100 ft (30.48 m) White light                                                           |
| Illuminator Control | Auto, Manual, Off                                                                                                       |

## Video

|                    |                                                                                                                                                                                                                         |
|--------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Video Compression  | H.265; H.264; MJPEG (Sub Stream Only)                                                                                                                                                                                   |
| Smart Codec        | Supported                                                                                                                                                                                                               |
| Resolution         | 8MP (3840*2160), 6MP (3072*2048), 5MP (3072*1728), 5MP (2880*1620), 4MP (2688*1520), 3MP (2048*1536), 3MP (2304*1296), 1080P (1920*1080), 1.3MP (1280*960), 720P (1280*720), D1 (704*480), VGA (640*480), CIF (352*240) |
| Maximum Frame Rate | Main stream: 8MP (3840*2160) at 20 fps, 4MP (2688*1520) at 30 fps<br>Sub stream: D1 (704*576) at 30 fps                                                                                                                 |
| Video Stream       | 2 streams                                                                                                                                                                                                               |
| Bit Rate Control   | CBR, VBR                                                                                                                                                                                                                |
| Video Bit Rate     | H.264: 3kbps to 8192kbps H.265: 3kbps to 8192kbps                                                                                                                                                                       |



|                |                                                                                 |
|----------------|---------------------------------------------------------------------------------|
| ROI            | Supported (4 areas)                                                             |
| Image Rotation | 0°, 90°, 180° and 270° (90° and 270° only for 2688 × 1520 resolution and lower) |
| Mirror         | Supported                                                                       |
| Privacy Mask   | Supported (4 areas)                                                             |

## Audio

|                   |                      |
|-------------------|----------------------|
| Built-in MIC      | Yes                  |
| Audio Compression | PCM, G.711a, G.711Mu |

## Intelligent Analysis

|                               |                          |
|-------------------------------|--------------------------|
| VCA (Video Content Analytics) | Intrusion, Line Crossing |
| iMD                           | Supported                |

## Event

|             |                                                                                                                                                                     |
|-------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Alarm Event | Line Crossing, Intrusion, Motion Detection, iMD, Audio Detection, Video Tampering, Disk Full, Disk Error, Offline, IP conflict, Voltage Detection, Security Warning |
|-------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|

## Network

|                  |                                                                                                                                                                                             |
|------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Protocol         | IPv4, IPv6, DNS, TCP, UDP, DHCP, HTTP, HTTPS, 802.1X, RTSP, DDNS, P2P, SMTP, RTMP, PPPoE, UPnP, Bonjour, QoS, Auto Registration, ICMP, IGMP, FTP, SFTP, RTP, RTCP, ARP, NTP, Multicast, NFS |
| Interoperability | ONVIF (Profile S & Profile G & Profile T); CGI                                                                                                                                              |



|         |                                                     |
|---------|-----------------------------------------------------|
| Storage | FTP, SFTP, Micro SD card (support max. 256 GB), NAS |
|---------|-----------------------------------------------------|

|             |                 |
|-------------|-----------------|
| Web Browser | Chrome, Firefox |
|-------------|-----------------|

|        |                                                   |
|--------|---------------------------------------------------|
| Client | PC client: TitanViewer<br>Mobile APP: TitanViewer |
|--------|---------------------------------------------------|

## Interface

|              |                       |
|--------------|-----------------------|
| Network port | RJ-45 (10/100 Base-T) |
|--------------|-----------------------|

|                    |     |
|--------------------|-----|
| Micro SD card Slot | Yes |
|--------------------|-----|

|           |                       |
|-----------|-----------------------|
| Audio I/O | 1 x Input, 1 x Output |
|-----------|-----------------------|

|           |                                                                |
|-----------|----------------------------------------------------------------|
| Alarm I/O | 1 x Input (Max. 5 VDC, 5 mA), 1 x Output (Max. 12 VDC, 300 mA) |
|-----------|----------------------------------------------------------------|

|              |           |
|--------------|-----------|
| Reset Button | Supported |
|--------------|-----------|

## General

|              |                        |
|--------------|------------------------|
| Power Supply | 12 VDC / PoE (802.3af) |
|--------------|------------------------|

|                   |                                                                  |
|-------------------|------------------------------------------------------------------|
| Power Consumption | 12 VDC: Max 6.9 W, Typical 2.6 W / PoE: Max 8.3 W, Typical 3.3 W |
|-------------------|------------------------------------------------------------------|

|         |       |
|---------|-------|
| Housing | Metal |
|---------|-------|

|            |                                      |
|------------|--------------------------------------|
| Dimensions | Φ4.80" x 4.4" (Φ122.0 mm x 118.4 mm) |
|------------|--------------------------------------|

|                     |                                                  |
|---------------------|--------------------------------------------------|
| Dimensions With Box | 5.83"×5.47"×5.39" (148 mm×139 mm×137 mm) (L*W*H) |
|---------------------|--------------------------------------------------|

|                      |                                                   |
|----------------------|---------------------------------------------------|
| Operating Conditions | -40°F to +140°F (-40°C to +60°C)/less than 95% RH |
|----------------------|---------------------------------------------------|

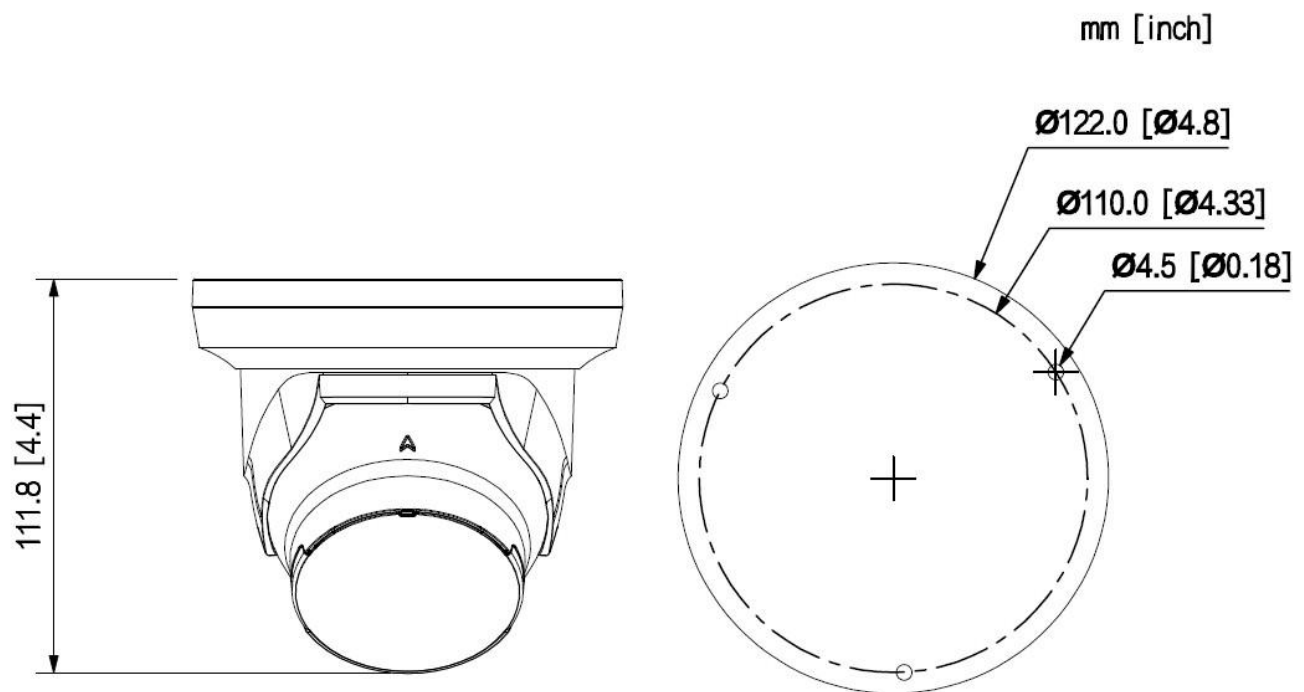
|                    |                                  |
|--------------------|----------------------------------|
| Storage Conditions | -40°F to +140°F (-40°C to +60°C) |
|--------------------|----------------------------------|

|                  |      |
|------------------|------|
| Protection Grade | IP67 |
|------------------|------|



|               |                 |
|---------------|-----------------|
| Net Weight    | 1.20 lb (543 g) |
| Gross Weight  | 1.56 lb (710 g) |
| Certification | FCC, IC         |

## Dimension



## ACCESSORIES



A01

Mount Adapter



W10

Wall Mount Bracket



W01

Wall Mount Bracket



W02

Wall Mount Bracket



E01

Ceiling Mount Bracket



J02

Junction Box



CJ11

IP66 Junction Box



P02

Pole Mount Bracket



C01

Corner Mount Bracket



P01

Pole Mount Bracket