

# TDOECS8302

## 4K HDCVI IR EYEBALL CAMERA



### FEATURES:

- 120dB True WDR, 3DNR
- Max. 4K resolution
- CVI/CVBS/AHD/TVI switchable
- 2.8mm Fixed lens
- Max. IR length 98ft, Smart IR
- IP67, 12V±30%DC

# Specifications:

|                         |   |            |            |           |
|-------------------------|---|------------|------------|-----------|
| <b>Model</b>            | <b>TDOECS8302</b>   |            |            |           |
| <b>Camera</b>           |   |            |            |           |
| Image Sensor            | 1 / 2.7" CMOS   |            |            |           |
| Effective Pixels        | 3840 (H)×2160 (V), 4K   |            |            |           |
| Electronic Shutter      | PAL: 1/3s-1/100000s<br>NTSC: 1/4s-1/100000s   |            |            |           |
| Min. Illumination       | 0.03Lux/F2.0, 30IRE, 0Lux IR on   |            |            |           |
| IR Distance             | Up to 30m (98ft)  |            |            |           |
| IR On/Off Control       | Auto/Manual   |            |            |           |
| IR LEDs                 | 12  |            |            |           |
| Pan/Tilt/Rotation Range | Pan: 0°-360°<br>Tilt: 0°-78°<br>Rotation: 0°-360°   |            |            |           |
| <b>Lens</b>             |   |            |            |           |
| Lens Type               | Fixed-focal   |            |            |           |
| Mount Type              | M12   |            |            |           |
| Focal Length            | 2.8mm   |            |            |           |
| Max. Aperture           | F2.0  |            |            |           |
| Angle of View           | 125°×105°×56° (diagonal×horizontal×vertical)  |            |            |           |
| Iris Type               | Fixed Iris  |            |            |           |
| Close Focus Distance    | 1m (3.28ft)   |            |            |           |
| DORI Distance           | Detect  | Observe    | Recognize  | Identify  |
|                         | 75m (246ft)   | 30m (98ft) | 15m (49ft) | 8m (26ft) |
| <b>Video</b>            |   |            |            |           |
| Video Frame Rate        | CVI: 4K@15fps; 5M@20fps; 4M@25fps/30fps<br>CVBS: PAL/NTSC<br>AHD: 4K@15fps; 5M@20fps; 4M@25fps/30fps<br>TVI: 4K@15fps; 5M@20fps; 4M@25fps/30fps |            |            |           |
| Resolution              | 4K (3840×2160); 5M (2592×1944); 4M (2560×1440);<br>960H (960×576/960×480)   |            |            |           |
| Day/Night               | Auto switch by ICR  |            |            |           |

|                       |   |
|-----------------------|---|
| BLC                   | BLC / HLC / WDR   |
| WDR                   | 120dB/WDR   |
| White Balance         | Auto/Manual   |
| Gain Control          | Auto/Manual   |
| Noise Reduction       | 2D&3D NR  |
| Smart IR              | Yes   |
| Electronic Defog      | Yes   |
| Digital Zoom          | 4X  |
| Mirror                | Off/On  |
| Privacy Masking       | Off/On (8 Area, Rectangle)  |
| <b>Certifications</b> |   |
| Certifications        | CE (EN55032, EN55024, EN50130-4)<br>FCC (CFR 47 FCC Part 15 subpartB, ANSI C63.4-2014)<br>UL (UL60950-1+CAN/CSA C22.2 No.60950-1) |
| <b>Port</b>           |   |
| Video Port            | Video output choices of CVI/TVI/AHD/CVBS by one BNC port  |
| <b>Power</b>          |   |
| Power Supply          | 12V±30%DC   |
| Power Consumption     | Max 4.9W (12V DC, IR on)  |
| <b>Environmental</b>  |   |
| Operating Conditions  | -40°C to +60°C (-40°F to 140°F);<95% (non-condensation)   |
| Storage Conditions    | -40°C to +60°C (-40°F to 140°F);<95% (non-condensation)   |
| Protection Grade      | IP67  |
| <b>Structure</b>      |   |
| Casing                | Metal throughout the whole casing   |
| Dimensions            | Φ93.4mm×79.4mm (Φ3.68"×3.13")   |
| Net Weight            | 300g (0.66lb)   |
| Gross Weight          | 380g (0.84lb)   |

# Accessories:

## Optional:



PFA13A  
Water-proof Junction  
Box (ceiling mount)



PFB204W  
Water-proof  
Wall Mount Bracket  
(wall mount)



PFB204W+PFA152-E  
Water-proof Wall Mount Bracket  
+ Pole Mount Bracket  
(pole mount)



PFM800-E  
Passive HDCVI Balun



PFM321  
12V 1A  
Power Adapter



PFM320  
12V 2A  
Power Adapter



PFM320D-015  
12V 1.5A  
Power Adapter

| Junction Mount | Wall Mount | Pole Mount       |
|----------------|------------|------------------|
| PFA13A         | PFB204W    | PFB204W+PFA152-E |
|                |            |                  |

# Dimensions:

