

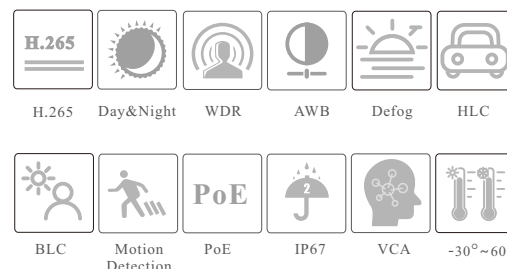
CAMERA

## TD-9453E3B-A

### 5MP IR Water-Proof Bullet Network Camera



- H.265+/H.265/H.264+/H.264/MJPEG coding
- Max. resolution: 2592 × 1944
- ICR auto switch, true day / night vision
- Up to 100m IR night view distance; motorized zoom lens
- 3D DNR, true WDR, HLC, BLC, Defog, NIR, Smart IR and ROI coding
- Support image distortion correction
- Built-in micro SD card slot; up to 256GB
- DC12V/PoE power supply
- IP 67 ingress protection
- Support three streams
- Support remote monitoring by smart phones & tablet PCs with iOS and Android OS
- Support SMD
- Support P2P function
- Intelligent analytics
- Dual-system backup



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For more information, please visit our website

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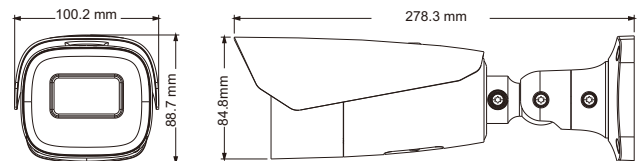
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## SPECIFICATIONS

| Model                      | TD-9453E3B-A                                                                                                                                                     |                   |                                                                               |                  |
|----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|-------------------------------------------------------------------------------|------------------|
| Specifications             |                                                                                                                                                                  |                   |                                                                               |                  |
| Camera                     |                                                                                                                                                                  |                   |                                                                               |                  |
| Image Sensor               | 1 / 2.7 "CMOS                                                                                                                                                    |                   |                                                                               |                  |
| Image Size                 | 2592 × 1944                                                                                                                                                      |                   |                                                                               |                  |
| Electronic Shutter         | 1 / 3 s ~ 1 / 100000 s                                                                                                                                           |                   |                                                                               |                  |
| Iris Type                  | DC Iris                                                                                                                                                          |                   |                                                                               |                  |
| Min. Illumination          | 0.02 lux@F1.6, AGC ON; 0 lux with IR; 0.01lux@F1.4, AGC ON, 0 lux with IR                                                                                        |                   |                                                                               |                  |
| Lens                       | 2.8~12mm@F1.4, H.FoV: 96°~28°;<br>V.Fov: 70°~21°;D.FoV: 129°~35.5°                                                                                               |                   | 7~22mm@F1.6, H.FoV: 41.4°~16.6°;<br>V.Fov: 30.6°~12.5°;<br>D.FoV: 52.8°~20.8° |                  |
| Focus                      | Motorized                                                                                                                                                        |                   |                                                                               |                  |
| Lens Mount                 | Φ14                                                                                                                                                              |                   |                                                                               |                  |
| Day & Night                | ICR                                                                                                                                                              |                   |                                                                               |                  |
| Wide Dynamic Range         | 120dB                                                                                                                                                            |                   |                                                                               |                  |
| BLC                        | Yes                                                                                                                                                              |                   |                                                                               |                  |
| HLC                        | Yes                                                                                                                                                              |                   |                                                                               |                  |
| Defog                      | Yes                                                                                                                                                              |                   |                                                                               |                  |
| S/N Ratio                  | ≥ 50dB                                                                                                                                                           |                   |                                                                               |                  |
| Digital NR                 | 3D DNR                                                                                                                                                           |                   |                                                                               |                  |
| Angle Adjustment           | Pan: 0°~360°; Tilt:0°~90°; Rotation: 0°~360°                                                                                                                     |                   |                                                                               |                  |
| Image                      |                                                                                                                                                                  |                   |                                                                               |                  |
| Video Compression          | Main stream: H.265+ / H.265 / H.264+ / H.264<br>Sub stream: H.265+ / H.265 / H.264+ / H.264 / MJPEG<br>Third stream: H.265+ / H.265 / H.264+ / H.264 / MJPEG     |                   |                                                                               |                  |
| H.264 Compression Standard | Baseline Profile/Main Profile/High Profile                                                                                                                       |                   |                                                                               |                  |
| Resolution                 | 5MP (2592×1944 ), 4MP (2592×1520), 2K (2560×1440), 3MP(2304×1296 ), 1080P (1920×1080), 720P (1280×720 ), D1, VGA (640×480), CIF, 480×240                         |                   |                                                                               |                  |
| Main Stream                | 5MP/4MP/2K/3MP/1080P / 720P( 60Hz : 1 ~ 30fps; 50Hz: 1~25fps )                                                                                                   |                   |                                                                               |                  |
| Sub Stream                 | 720P/D1/VGA/CIF/480×240 ( 60Hz : 1 ~ 30fps; 50Hz: 1~25fps )                                                                                                      |                   |                                                                               |                  |
| Third Stream               | D1/CIF/480×240 ( 60Hz : 1 ~ 30fps; 50Hz: 1~25fps )                                                                                                               |                   |                                                                               |                  |
| Bit Rate                   | 64 Kbps ~ 8 Mbps                                                                                                                                                 |                   |                                                                               |                  |
| Bit Rate Type              | VBR / CBR                                                                                                                                                        |                   |                                                                               |                  |
| Audio Compression          | G711A / U                                                                                                                                                        |                   |                                                                               |                  |
| Image Settings             | ROI, Saturation, Brightness, Hue, Contrast, Wide Dynamic, Sharpness, Image Mirror, Image Flip, NR, etc. adjustable through client software or web browser        |                   |                                                                               |                  |
| ROI                        | Each ROI to be configured separately                                                                                                                             |                   |                                                                               |                  |
| Interfaces                 |                                                                                                                                                                  |                   |                                                                               |                  |
| Network                    | RJ 45 10M/100M self-adaptive Ethernet port                                                                                                                       |                   |                                                                               |                  |
| Video Output               | CVBS output (BNC × 1)                                                                                                                                            |                   |                                                                               |                  |
| Audio                      | 1CH audio input; 1CH audio output; 1 CH built-in MIC                                                                                                             |                   |                                                                               |                  |
| Storage                    | Built-in micro SD card slot; up to 256GB                                                                                                                         |                   |                                                                               |                  |
| Reset                      | Yes                                                                                                                                                              |                   |                                                                               |                  |
| Alarm                      | 1CH alarm input; 1CH alarm output                                                                                                                                |                   |                                                                               |                  |
| Intelligent Analytics      |                                                                                                                                                                  |                   |                                                                               |                  |
| Smart Event                | Line crossing, region intrusion/entrance/exiting, loitering detection, illegal parking detection, abandoned/ missing object detection                            |                   |                                                                               |                  |
| Target Counting            | Target counting by line/area, heat map                                                                                                                           |                   |                                                                               |                  |
| Exception Detection        | Scene change, video blur and abnormal color detection, audio exception                                                                                           |                   |                                                                               |                  |
| Face Detection             | Face detection and face capture                                                                                                                                  |                   |                                                                               |                  |
| Video Metadata             | Simultaneously captures human body, motor vehicle and non-motor vehicle and extracts 13 human features, 4 motor vehicle features and 1 non-motor vehicle feature |                   |                                                                               |                  |
| DORI Distance              |                                                                                                                                                                  |                   |                                                                               |                  |
| Lens                       | Detect                                                                                                                                                           | Observe           | Recognize                                                                     | Identify         |
| 2.8~12mm(W)                | 55.53m(182.18ft)                                                                                                                                                 | 22.21m(72.86ft)   | 11.11m(36.45ft)                                                               | 5.55m(18.20ft)   |
| 2.8~12mm(T)                | 209.78m(688.25ft)                                                                                                                                                | 83.91m(275.29ft)  | 41.96m(137.66ft)                                                              | 20.98m(68.83ft)  |
| 7~22mm(W)                  | 142.12m(466.27ft)                                                                                                                                                | 56.85m(186.51ft)  | 28.42m(93.24ft)                                                               | 14.21m(46.62ft)  |
| 7~22mm(T)                  | 355.01m(1164.73ft)                                                                                                                                               | 142.00m(465.87ft) | 71.00m(232.93ft)                                                              | 35.50m(116.46ft) |
| Functions                  |                                                                                                                                                                  |                   |                                                                               |                  |
| Remote Monitoring          | Web Browser/TVT NVMS2.0/NVR/mobile APP                                                                                                                           |                   |                                                                               |                  |

|                          |                                                                                                                                                                                                   |            |
|--------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|
| Web Browser              | Chrome 89.0+/Edge 89.0+/Firefox 87.0+/Safari 14.0+                                                                                                                                                |            |
| Online Connection        | Support simultaneous monitoring for up to 10 users;<br>Support multi-stream real time transmission                                                                                                |            |
| Network Protocol         | UDP, IPv4, IPv6, DHCP, NTP, RTSP, RTP, RTMP, RTCP, PPPoE, DDNS, SMTP, FTP, SNMP,HTTP, 802.1x, UPnP, HTTPS, HTTP POST, P2P, QoS                                                                    |            |
| Interface Protocol       | ONVIF                                                                                                                                                                                             |            |
| Storage                  | Network remote storage; micro SD card storage                                                                                                                                                     |            |
| Smart Alarm              | Motion detection, SMD, SD card error, SD card full, IP address conflict, Network disconnection, sensor alarm, audio alarm                                                                         |            |
| General Function         | Watermark, video mask, heartbeat, image distortion correction, corridor pattern, ANR, cloud upgrade                                                                                               |            |
| Security                 | Video encryption, firmware encryption, HTTPS encryption, configuration encryption, illegal login lock, IP address filtering, 802.1x authentication, basic and digest authentication for HTTP/RTSP |            |
| PoE                      | Yes , IEEE802.3af                                                                                                                                                                                 |            |
| IR Distance              | 50 ~ 70 m                                                                                                                                                                                         | 70 ~ 100 m |
| Ingress Protection       | IP 67                                                                                                                                                                                             |            |
| Others                   |                                                                                                                                                                                                   |            |
| Power Supply             | DC12V/PoE                                                                                                                                                                                         |            |
| Power Consumption        | < 12.5W                                                                                                                                                                                           |            |
| Storage Conditions       | - 30 °C ~ 65°C (-22°F~149°F), Humidity: less than 95 % (non-condensing)                                                                                                                           |            |
| Operating Conditions     | - 30 °C ~ 60 °C (-22°F~140°F), Humidity: less than 95 % (non-condensing)                                                                                                                          |            |
| Dimensions ( mm )        | 278.3 × 100.2 × 88.7                                                                                                                                                                              |            |
| Weight ( net )           | Approx. 1.04KG                                                                                                                                                                                    |            |
| Installation             | Ceiling mounting; Wall mounting                                                                                                                                                                   |            |
| Certificate              | CE, FCC                                                                                                                                                                                           |            |
| Environmental Protection | Directive EU RoHS, WEEE(2012/19/EU) , directive 94/62/EC and REACH(EC1907/2006)                                                                                                                   |            |

## DIMENSIONS



## AVAILABLE ACCESSORIES

|            |                           |                           |                           |
|------------|---------------------------|---------------------------|---------------------------|
|            |                           |                           |                           |
| TD-YXH0302 | TD-YXH0302+<br>TD-YZJ0501 | TD-YXH0302+<br>TD-YZJ0601 | TD-YXH0302+<br>TD-YZJ0811 |

## AVAILABLE MODEL

|                 |                           |                           |
|-----------------|---------------------------|---------------------------|
| Available Model | TD-9453E3B-A(D/AZ/PE/AR5) | Motorized lens (2.8~12mm) |
|                 | TD-9453E3B-A(D/AZ/PE/AR7) | Motorized lens (7~22mm)   |