

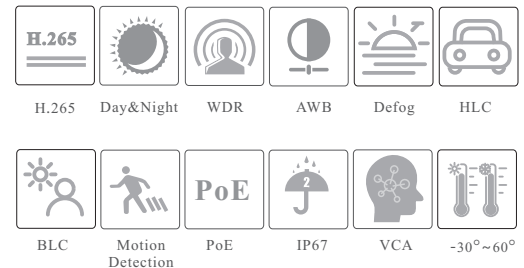
CAMERA

# TD-9452E3B

## 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
- 30 ~ 50m IR night view distance
- 3D DNR, true WDR, HLC, BLC, Defog, NIR, Smart IR and ROI coding
- Support image distortion correction
- 1CH audio input
- 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
- Intelligent analytics



en.tvt.net.cn

For more information, please visit our website

**Shenzhen TVT DIGITAL TECHNOLOGY CO., LTD.**

Address: 23<sup>rd</sup> Floor, Block B4, Building NO.9, Shenzhen Bay Eco-Technology Park, Nanshan District, Shenzhen, Guangdong Province, P.R.China

Tel: +86-755-36995888

Web site: <http://en.tvt.net.cn>

Fax: +86-755-33104777

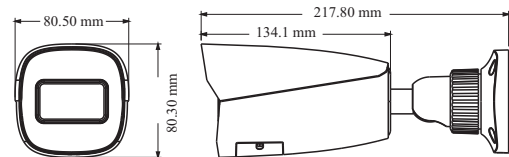
E-mail: [overseas@tvt.net.cn](mailto:overseas@tvt.net.cn)

### SPECIFICATIONS

Specifications	Model	TD-9452E3B		
<b>Camera</b>				
Image Sensor	1 / 2.7" CMOS			
Image Size	2592 × 1944			
Electronic Shutter	1/3 s ~ 1 / 100000 s			
Iris Type	Fixed Iris	DC Iris		
Min. Illumination	0.02 lux@F1.6, AGC ON; 0 lux with IR; 0.01 lux@F1.4, AGC ON, 0 lux with IR			
Lens	2.8 mm@F1.6, H.FoV: 99.87°; V.FoV: 70.36°; D.FoV: 120°		2.8~12mm@F1.4, H.FoV: 92.6°~28.9°; V.FoV: 67.5°~21.7°; D.FoV: 121.0°~36.1°	
	3.6 mm@F1.6, H.FoV: 80°; V.FoV: 58°; D.FoV: 108°			
Focus	Fixed	Motorized		
Lens Mount	M12	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°			
<b>Image</b>				
Video Compression	Main stream: H.265+ / H.265 / H.264+ / H.264 Sub stream: H.265+ / H.265 / H.264+ / H.264 / MJPEG 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, CIF, 480×240			
Main Stream	5MP/4MP/2K/3MP/1080P / 720P( 60Hz : 1 ~ 30fps; 50Hz: 1~25fps ) HFR mode: 1080P / 720P( 60Hz : 1 ~ 60fps; 50Hz: 1~50fps )			
Sub Stream	720P/D1/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			
<b>Interfaces</b>				
Network	RJ 45 10M/100M self-adaptive Ethernet port			
Video Output	No			
Audio	1 CH audio input			
Storage	Built-in micro SD card slot; up to 256GB			
Reset	Yes			
Alarm	No			
<b>Intelligent Analytics (Smart Events)</b>				
Perimeter Protection	Line crossing, region entrance/exiting/intrusion (human/motor vehicle/ non-motor vehicle classification)			
Statistics	Target counting by line/area, heat map			
Exception Detection	Scene change, video blur and abnormal color detection			
Face Detection	Face detection and face capture			
Other Events	Abandoned/missing object detection			
Video Metadata	Simultaneously captures human body, motor vehicle and non-motor vehicle and extracts 13 human features, 5 motor vehicle features and 1 non-motor vehicle feature			
<b>DORI Distance</b>				
Lens	Detect	Observe	Recognize	Identify
2.8mm	55.16m(180.97ft)	22.06m(72.37ft)	11.03m(36.18ft)	5.52m(18.11ft)
3.6mm	70.14m(230.11ft)	28.06m(92.06ft)	14.03m(46.03ft)	7.01m(22.99ft)
2.8~12mm(W)	58.19m(190.91ft)	23.28m(76.37ft)	11.64m(38.18ft)	5.82m(19.09ft)
2.8~12mm(T)	202.85m(665.51ft)	81.14m(266.20ft)	40.57m(133.10ft)	20.29m(66.56ft)
<b>Functions</b>				

Remote Monitoring	Web Browser/TVT NVMS2.0/NVR/mobile APP		
Web Browser	IE11 (plug-in required)/Chrome 89.0+/Edge 89.0+/Firefox 87.0+/Safari 14.0+		
Online Connection	Support simultaneous monitoring for up to 10 users; 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, QoS		
Interface Protocol	ONVIF		
Storage	Network remote storage; micro SD card storage		
Smart Alarm	Motion detection, SD card error, SD card full		
General Function	Watermark, video mask, heartbeat, image distortion correction, corridor pattern		
Security	Video encryption, firmware encryption, HTTPS encryption, configuration encryption, illegal login lock, IP address filtering, 802.1x authentication, basic and digest authentication for HTTP/HTTPS		
PoE	Yes, IEEE802.3af		
IR Distance	30 ~ 50 m		
Ingress Protection	IP67		
<b>Others</b>			
Power Supply	DC12V/PoE		
Power Consumption	< 8.5W	< 9W	
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 )	217.8 × 80.5 × 80.3		
Weight ( net )	Approx. 0.66KG	Approx. 0.69KG	
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



### AVAILABLE MODEL

Available Model	TD-9452E3B(D/PE/AR3)	Fixed lens
	TD-9452E3B(D/AZ/PE/AR3)	Motorized zoom lens