

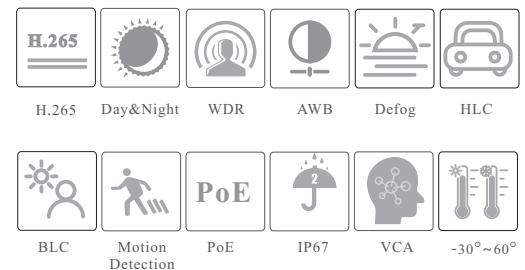
CAMERA

# TD-9451E3B-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
- 20 ~ 30m IR night view distance
- 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
- Intelligent analytics



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For more information, please visit our website

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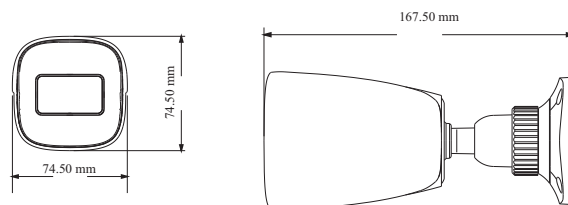
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### SPECIFICATIONS

Specifications	Model	TD-9451E3B-A		
<b>Camera</b>				
Image Sensor		1 / 2.7 "CMOS		
Image Size		2592 × 1944		
Electronic Shutter		1/2s ~ 1 / 100000 s		
Iris Type		Fixed Iris		
Min. Illumination		0.02 lux@F1.6,AGC ON; 0 lux with IR		
Lens		2.8 mm@F1.6, horizontal FoV: 99.87°; vertical FoV: 70.36°; diagonal FoV:120° 3.6 mm@F1.6, horizontal FoV: 80°; vertical FoV: 58°; diagonal FoV:108°		
Focus		Fixed		
Lens Mount		M12		
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°~80°; 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 ~ 30fps; 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>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 video cast detection		
Face Detection		Face detection and face capture		
Other Events		Abandoned/missing object detection, crowd density detection		
<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)
<b>Interfaces</b>				
Network		RJ 45 10M/100M self-adaptive Ethernet port		
Video Output		No		
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		No		
<b>Functions</b>				
Remote Monitoring		Web Browser/TVT NVMS2.0/NVR/mobile APP		
Web Browser		IE 11 (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	20~30 m
Ingress Protection	IP 67
<b>Others</b>	
Power Supply	DC 12V/PoE
Power Consumption	< 6W
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 )	167.5 × 74. 5 × 74. 5
Weight ( net )	Approx. 0.43KG
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-9451E3B-A(D/PE/AR2)	Fixed lens
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