Model	TD-9581E3L
Camera	
Image Sensor	1 / 2.8" CMOS
Image Size	3840×2160
Electronic Shutter	1 / 25 s ~ 1 / 100000 s
Iris Type	Fixed Iris
Min. Illumination	0.01 lux @ F1.2, AGC ON; 0 lux with IR 0.02 lux@F1.6, AGC ON; 0 lux with IR
Lens	2.8mm@F1.6, Horizontal FoV:109.7°;Vertical FoV:77.2°;Diagonal FoV:116.9°
Focus	Fixed
Lens Mount	M12
Day&Night	ICR
Wide Dynamic Range	120dB
BLC	Yes
HLC	Yes
Defog	Yes
Digital NR	3D DNR
Angle Adjustment	Pan : 0°~355°, Tilt : 0°~67°, Rotation : 0°~355°
Image	
Video Compression	Smart H.265 / H.265+ / H.265 / Smart H.264 / H.264+ / H.264 / MJPEG
H.264 Compression Standard	Baseline Profile/Main Profile/High Profile
Resolution	8MP (3840 × 2160), 6MP(3072 × 2048),5MP(2592 × 1944), 4MP(2592 × 1520), 2K (2560 × 1440), 3MP (2304 × 1296), 1080P (1920 × 1080), 720P (1280 × 720), D1, CIF, 480 × 240

Main Stream	60Hz：8MP/6MP(1~20fps), 5MP/4MP/2K/3MP/1080P/720P(1~30fps)
	50Hz：8MP/6MP(1~20fps), 5MP/4MP/2K/3MP/1080P/720P(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 ~ 12 Mbps
Bit Rate Type	VBR / CBR
Audio Compression	G711A / U
Image Settings	ROI, Saturation, Brightness, Chroma, Contrast,Wide Dynamic, Sharpen, NR,etc. adjustable through client software or web browser
ROI	Each ROI to be configured separately

Intelligent Analytics (Smart Events)

Perimeter Protection	Line crossing, region entrance/exiting/intrusion (human/motor vehicle/ non-motor vehicle classification)
Target Counting	Line crossing human/motor vehicle/non-motor vehicle counting
Exception Detection	Scene change, video blur and video color cast detection
Face Detection	Face detection and face capture
General Intelligence	Crowd density detection, heat map, object abandoned/missing detection*

Interfaces

Network	RJ45
Video Output	No
Audio	1CH audio input; 1CH built-in MIC
Alarm	1CH alarm input; 1CH alarm output
Storage	Built-in micro SD card slot; up to 256GB
Reset	Yes

Functions

Remote Monitoring	Web browsing, CMS remote control
Online Connection	Support simultaneous monitoring for up to 10 users; Support multi-stream real time transmission
Network Protocol	UDP, IPv4, IPv6, DHCP, NTP, RTSP, PPPoE, DDNS, SMTP, FTP, SNMP, 802.1x, UPnP, HTTPs, 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, IP address filtering, video mask, heartbeat, password protection, image distortion correction, etc.
IR Distance	20~30m
Protection Grade	IP 67&IK10
PoE	Yes (IEEE802.3af)
Others	
Power Supply	DC12V/PoE
Power Consumption	< 9W
Operating Environment	- 30 °C ~ 60 °C (-22°F~140°F) Humidity: less than 95 % (non-condensing)
Dimensions (mm)	Φ 119 × 87.8
Weight (net)	Approx. 0.64KG
Installation	Ceiling mounting; Wall mounting
Certificate	CE, FCC
Environmental Protection	Complies with Directive EU RoHS, WEEE(2012/19/EU) , directive 94/62/EC and REACH(EC1907/2006)