TVT

Secure the Word with You

TD-9846SP1-B

4MP Solar-powered 4G Full-Color Network Camera



- High quality imaging with 4MP resolution
- 24/7 Colorful imaging
- LTE-TDD/LTE-FDD/WCDMA/GSM 4G wireless network transmission
- Support Micro SIM card
- Built-in micro SD card slot, up to 256GB
- Support three streams
- Intelligent Analytics
- Stability against category 12 typhoon
- Camera: Water and dust resistant (IP67)



Shenzhen TVT Digital Technology Co., LTD.

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

Tel: +86-755-36995888 Website: http://en.tvt.net.cn

Fax: +86-755-33104777 E-mail: overseas@tvt.net.cn

Specifications

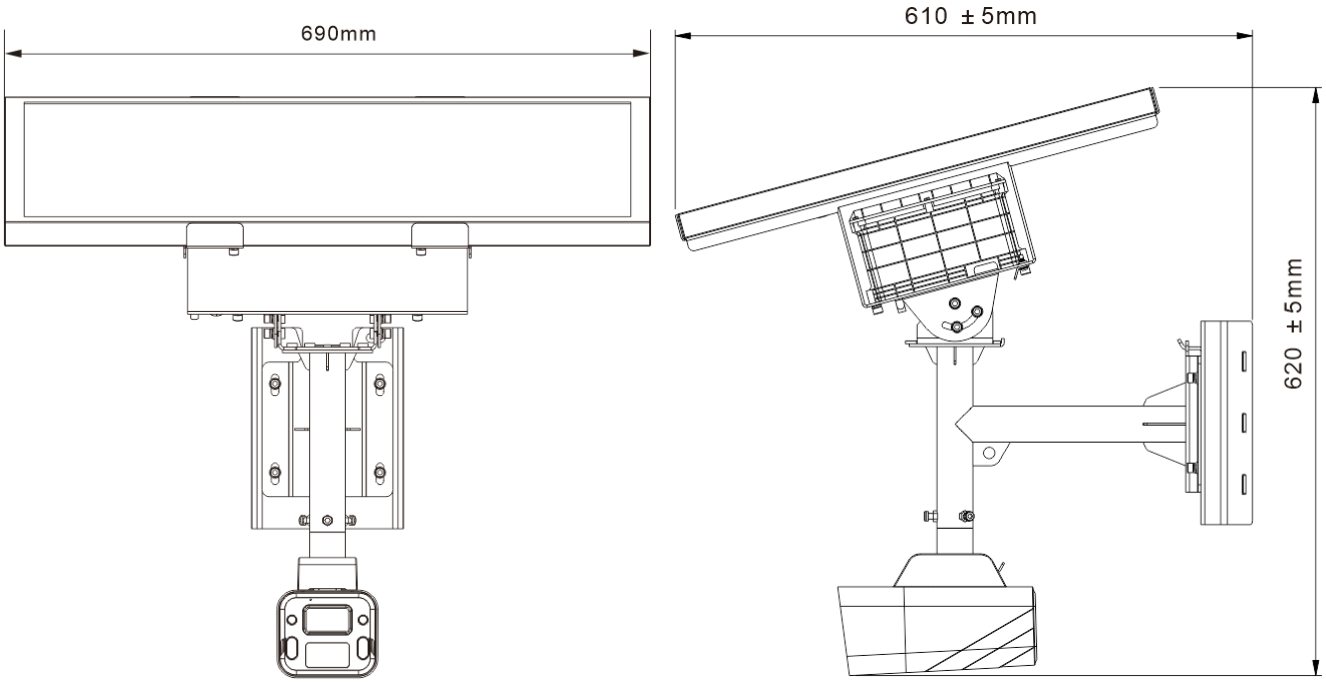
Model	TD-9846SP1-B(G4/WR2)
Camera	
Image Sensor	1/1.8" Progressive Scan CMOS
Max. Resolution	2560 × 1440
Min. Illumination	0.000625 lux@F1.0, AGC ON; 0 lux with LED ON
Shutter Speed	Auto
WDR	120dB
S/N Ratio	≥ 50dB
BLC	Yes
HLC	Yes
Digital NR	3D NR
Angle Adjustment	Pan: 0°~360°; Tilt: -60°~10°;
Lens	
Lens Type	Fixed focal lens, 2.8mm and 3.6 mm optional
Aperture	F1.0
FOV	2.8 mm @F1.0, H.FoV: 113°; V.FoV:60°; D.FoV:133° 3.6 mm @F1.0, H.FoV: 95°; V.FoV:50°; D.FoV:114°
Lens Mount	M16
DORI	
DORI	2.8mm, D: 50 m, O: 20 m, R: 10 m, I: 5 m 3.6mm, D: 62 m, O: 25 m, R: 12 m, I: 6 m
Illuminator	
Supplement Light Type	White Light
Supplement Light Range	Full power mode: up to 20 m; Low power mode: up to 10 m
Video & Audio	
Video Compression	Main stream: H.265+ / H.265/ H.264+ / H.264 Sub/Third stream: H.265+ / H.265 / H.264+ / H.264 / MJPEG
H.264 Compression Standard	Baseline Profile/Main Profile/High Profile
Resolution	4MP (2560×1440), 3MP (2304×1296), 1080P (1920 × 1080), 720P (1280 × 720), D1, 640 × 480, CIF
Main Stream	60Hz:4MP/3MP/1080P/720P(1~15fps); 50Hz:4MP/3MP/1080P/720P(1~12fps)
Sub Stream	60Hz:720P/D1/CIF (1~15fps); 50Hz:720P/D1/CIF (1~12fps)
Third Stream	60Hz:720P/640 × 480 (1fps); 50Hz:720P/640 × 480 (1 fps)
Bit Rate	16Kbps ~ 8Mbps
Bit Rate Type	VBR/CBR
Audio Compression	G711A / U
Image Settings	ROI, Saturation, Brightness, Hue, Contrast, Wide Dynamic, Sharpness, Image Flip, Image Mirror, NR, etc. adjustable through client software or web browser
ROI	Each ROI to be configured separately
Mobile Communication	
SIM Card Type	Micro SIM
Frequency	LTE-TDD: Band 38/39/40/41; LTE-FDD: Band 1/2/3/4/5/7/8/12/13/18/19/20/25/26/28; WCDMA: Band 1/5/8; GSM: Band 2/3/5/8
Standard	LTE-TDD, LTE-FDD, WCDMA, GSM, 4G Cat4

*All pictures and specifications are for reference only and are subject to change without prior notice

PIR	
PIR Angle	Horizontal: 82°, vertical:50°
PIR Range	Up to 15 m
Interfaces	
Network	1 CH RJ45 10 M/100 M self-adaptive Ethernet port
Audio	1 CH built-in MIC, 1 CH built-in Speaker
Warning Light	1 blue LED light, 1 red LED light
RS-485	Yes, half-duplex
Storage	Built-in micro SD card slot, up to 256GB
Reset	Yes
Functions	
Remote Monitoring	Web Browser/NVMS/NVR/mobile APP
Web Browser	Chrome 105.0+/Edge 105.0+/Firefox 121.0+/Safari 14.0+
Online Connection	Support simultaneous monitoring for up to 6 users; Support multi-stream real time transmission
Network Protocol	UDP, IPv4, IPv6, DHCP, NTP, RTSP, RTP, RTCP, RTMP, SNMP, PPPoE, DDNS, 802.1x, SMTP, FTP, UPnP, HTTPS, HTTP, QoS, NAT, HTTP POST
Interface Protocol	ONVIF
Intelligent Analytics	Region intrusion detection (human/vehicle classification), line crossing detection (human/vehicle classification), and abandoned / missing object detection
Smart Alarm	Motion detection, SD card error, SD card full, video exception (video blur, scene change and abnormal color detection), audio alarm, light alarm, PIR alarm
Linkage	Upload to memory card/ FTP, notify surveillance center, trigger audio alarm, trigger light alarm, trigger recording, trigger snapshot, send emails
General function	Watermark, video mask, heartbeat, corridor pattern, ANR, cloud upgrade, disarming
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/API
General	
Power	Power Consumption: < 5W Lower Power Mode:< 3.5 W (4 G working) Power Supply: DC12V * for debugging only; 60 W ±2 W Solar panels
Operating Conditions	Operating temperature of camera and solar panel: -20℃ to 50 ℃ (-4 °F to 122 °F) (The operating temperature of the whole system depends on the temperature range of the purchased battery charging and discharging) Operating Humidity: 95% or less (non-condensing)
Gross Weight	Approx. 16.9KG (without LFP battery)
MPPT	
Compatible Battery Type	Li-battery
Charging Method	MPPT
Solar Input Voltage	≤50V
MPPT Tracking Efficiency	> 99%
Charging Conversion Efficiency	85%~97%
Charging Voltage	7.5V~17.0V
Protection	
Protection	Camera: IP67 Wind Resistance 12 level
Certificate	CE, FCC, Complies with Directive EU RoHS, WEEE (2012/19/EU), and REACH(EC1907/2006) 4G Communication: SRRC/CCC, GCF, CE/UKCA, PTCRB, FCC, IC, Anatel, IFETEL, KC, NCC, JATE/TELEC, RCM, FAC, NBTC, IMDA, ICASA, etc.

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Dimensions



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