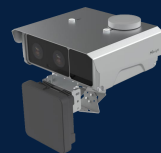# TrafficX

DualVision TrafficX Radar Camera
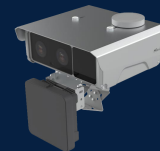
Milesight

KEY FEATURES

▶ **Dual-camera Integrated Evidence Collection**
(By utilizing **Vehicle Close-up ANPR**, in combination with **Surveillance Overview**, the capture and analysis of vehicle targets and behavior enable the acquisition of reliable synchronized time and scene evidence.)

▶ **320km/h High Recognizable Speed** (Exceling at capturing detailed fast-paced dynamic scenes, covering 2-3 lanes and distance up to 50m.)

▶ **Advanced Radar Technology**
(Powered by high-speed radar and AI for real-time speed and flow monitoring.)

▶ **24/7 High Accuracy** (Achieving 99% capture rate and 98% license plate recognition rate even in low-light environments.)

▶ **Edge AI-based ANPR** (Incorporating advanced image processing technology capable of accurately recognizing both reflective and non-reflective license plates, it swiftly and precisely identifies license plate numbers and colors, as well as captures vehicles without license plates. Additionally, it collects relevant attributes such as vehicle color, type, and brand information.)

▶ **Professional violation recognition, reliable enforcement assistant.**

▶ **Easy Installation** (Embedded 4G module for easy network connection and flexible angle adjustment design.)

▶ **Compatibility** (Support CGI/APIs and TCP/HTTP/MQTT protocols for easy integration.)

3D Radar | ISP | 320km/h | IP67 | 4G | GST OnVIF

Model		TS5510-GVH (5MP*2)		
Camera	Name	DualVision TrafficX Radar Camera		
	Image Sensor	Color, 2/3" Global Shutter		
	Min. Illumination	Color: 0.001 Lux@(F1.4, AGC ON)		
	Shutter Time	30 us- 40000 us		
	Day/Night Mode	Day/Night/Auto		
	Supplement Light	IR	IR Strobe Light (9 light beads @ 850nm, 16 light beads @ 740nm)	
		IR Distance	60m	
		IR Wave Length	850nm (Default), 740nm (Optional)	
Road Traffic Management	Max. ANPR Range	Up to 50m		
	Max. Vehicle Speed	320 km/h		
	Coverage	Recommended for 2~3 lanes		
	Capture Rate	Up to 99%		
	Recognition Accuracy	Up to 98%		
	Country Region Supported	More than 74 countries and regions		
	Attributes Identification	Plate Color, Vehicle Type, Vehicle Color, Vehicle Brand, No-plate Vehicle Capture, Vehicle Direction Detection, Speed Detection		
	Violation Management	Reverse Driving, Speed Monitoring, Vehicle Attributes Event Detection		
	White/Black List	Up to 20,000 records inside the camera		
	LPR Smart Search	Support		
Interface	Ethernet	1*RJ45 10M/100M/1000M Ethernet Port		
	RS485	Support		
	Input	4 * Optoisolated Input		
	Output	2 * Strobe Output 1 * Relay Output		
Lens	Lens	15-50mm, Motorized zoom and focus		
	Mount	Custom mount		
	Field of View	horizontal FOV 41.4° to 10.3°, vertical FOV 26.8° to 8.42°, diagonal FOV 32° to 13.3°		

Video	Max. Resolution	2464x2056
	Max. FPS	30fps
	Video Compression	H.265/H.264/MJPEG
	Video Bit Rate	16Kbps~16Mbps (CBR/VBR Adjustable)
	Image Setting	Brightness/Contrast/Saturation
	Privacy Masking	Up to 24 Areas (per Sensor)
Radar	Working Frequency	24GHz
	Capture Rate	>99% (Traffic jam >95%)
	Lane Coverage	2~3 Lanes (Recognition ≥95% individually）
	Tracking Target	Up to 32
	Speed Detection Accuracy	±2km/h
	Housing	Up to IP67-rated for weather-resistant performance
	Installation Height	4~10m
Wireless Network (Optional)	Cellular	4G LTE NA: B2/B4/B5/B12/B13/B25/B26 EU: B1/B3/B7/B8/B20/B28 AU: B1/B2/B3/B4/B5/B7/B8/B28/B66
	SIM Card	Nano SIM
System	System Compatibility	API, HTTP, TCP, MQTT, ONVIF Profile G & S & T
	Storage	Support microSD/SDHC/SDXC Card Local Storage, up to 1TB
General	GPS	Built-in High-accuracy GPS Module
	Working Temperature	-40°C ~ 70°C
	Working Humidity	0~95% (Non-condensing)
	Power Consumption	Min.: 14.4W Max.: 21.2W
	Weather Proof	Up to IP67-rated for Weather-resistant Performance
	Power Supply	24 V DC/AC
	Weight	5.6Kg 8.4Kg (with Package)
	Dimensions	282.7mmx295mmx276.5mm (with Radar Unit)
	Warranty	3 Years

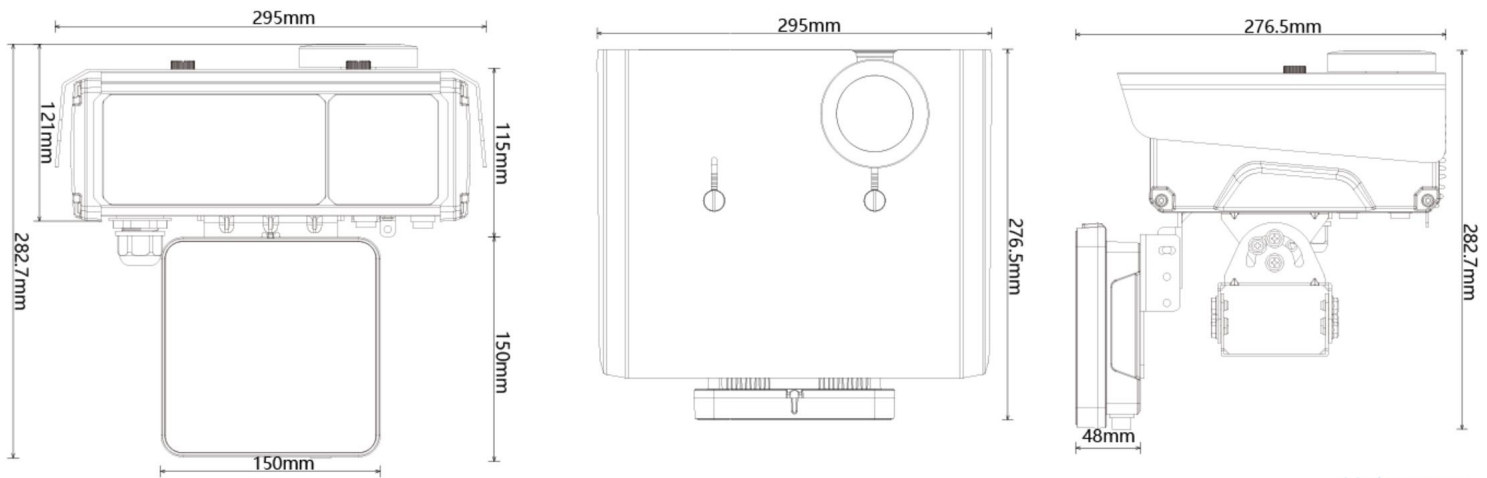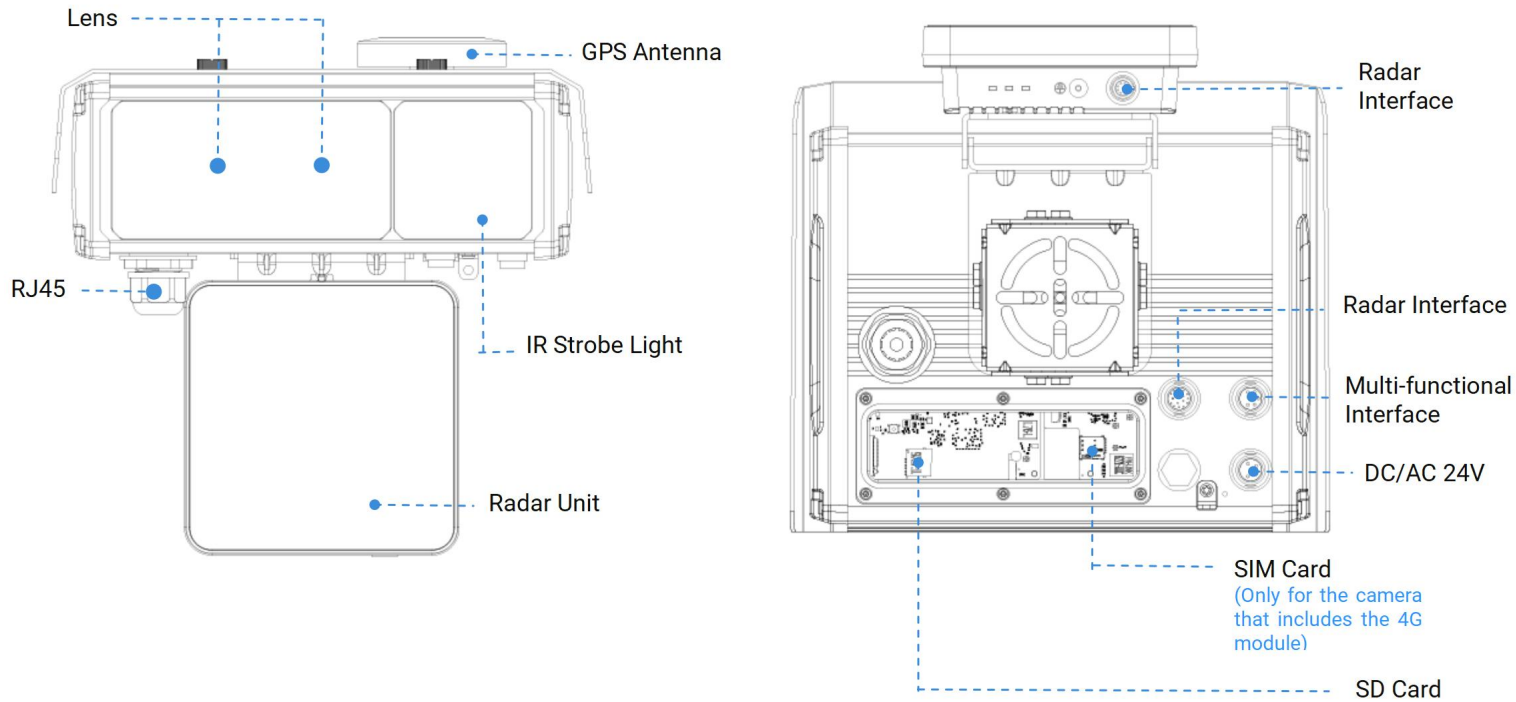|		
Certifications	EMC	CE-EMC (EN 55032, EN 55035), FCC (PART 15B)
	Safety	CE-LVD (EN IEC 62368-1)
	Environment	CE-ROHS (Directive (EU) 2015/863 amending 2011/65/EU)

V 1.0

Structure Diagrams

Lens

GPS Antenna

RJ45

IR Strobe Light

Radar Unit

Radar Interface

Radar Interface

Multi-functional Interface

DC/AC 24V

SIM Card
(Only for the camera that includes the 4G module)

SD Card

295mm

121mm

115mm

282.7mm

150mm

150mm

295mm

276.5mm

276.5mm

276.5mm

282.7mm

48mm

Units: mm

Accessories Support

A91-N Pedestal Mount

(Default)

Weight: 540g

Dimension: 80*80*104.5mm

A92-N Wall Mount

Weight: 1800g

Dimension:

140*200*279mm

A02 V2 Pole Mount

Weight: 1000g

Dimensions:

180*136*46mm