

TrafficX

SingleVision TrafficX Camera



KEY FEATURES

High-performance Evidence Capture

(Leveraging a high-speed global shutter sensor with 60fps high frame rate, the camera delivers clear and reliable evidence for vehicle detection, behavior analysis, and scene monitoring in a single integrated view.)

250km/h High Recognizable Speed (Excels at capturing detailed fast-paced dynamic scenes, covering 3 lanes and IR distance up to 60m.)

24/7 High Accuracy (Achieves a 99% capture rate and 98% license plate recognition rate even in low-light environments. Equipped with 15 infrared illuminators to ensure excellent night-time illumination and stable recognition performance.)

Edge AI-based ANPR (Utilizing advanced image processing, the system accurately recognizes reflective and non-reflective plates, rapidly identifies license plate numbers and colors, captures plate-less vehicles, and extracts vehicle color, type, and brand attributes.)

Professional Violation Recognition (Supports accurate detection of key traffic violations, including Reverse Driving, No-plate Vehicle Capture, and Vehicle Attributes Event Detection for enhanced enforcement reliability.)

Enhanced Reliability (Built with P-iris for precise aperture control, and integrated fan and heater modules for stable performance in diverse climates. Comes with a durable stainless-steel bracket.)

Compatibility (Supports API and TCP/HTTP/MQTT protocols for easy integration.)





Model		TS5020-GIE (5MP*1)
Camera	Name	SingleVision TrafficX Camera
	Image Sensor	Color, 2/3" Global Shutter
	Min. Illumination	Color: 0.001 Lux@F1.4
	Shutter Time	30 us- 5000 us
	Day/Night Mode	Day/Night/Auto
	IR	IR Strobe Light (15 light beads @ 850nm, 15 light beads @ 740nm)
	Supplement Light	IR Distance 60m
	IR Wave Length	850nm (Default), 740nm (Optional)
	Max. ANPR Range	Up to 50m
	Max. Vehicle Speed	250 km/h
Road Traffic Management	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
	Violation Management	Reverse Driving, No-plate Vehicle Capture, Vehicle Attributes Event Detection
	White/Black List	Up to 20,000 records inside the camera
	LPR Smart Search	Support
	Ethernet	1 * RJ45 10/100/1000 Mbps Ethernet Port
	RS485	2 * RS485 ports, baud rate up to 115200 bps
Interface	Power Output	1 * DC 12V Output
	Alarm Input	4 * Opto-isolated Digital Inputs
	Alarm Output	1 * Relay Output
	Strobe Output	2 * Strobe Output
	STNC IN	1 * AC 24V Synchronization Input
	Lens	15-50mm, Motorized zoom and focus



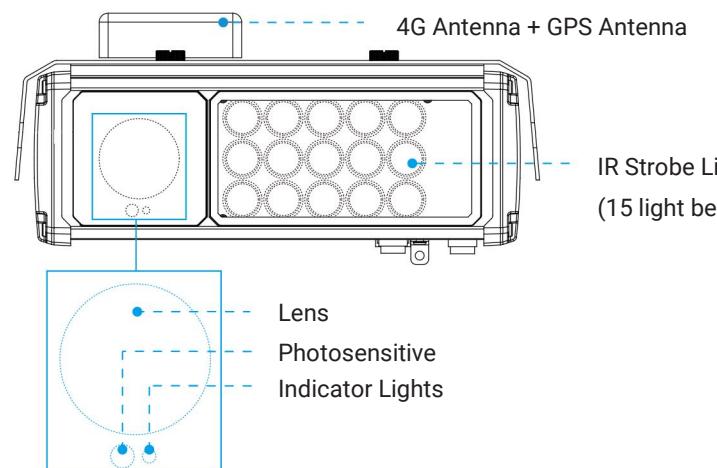
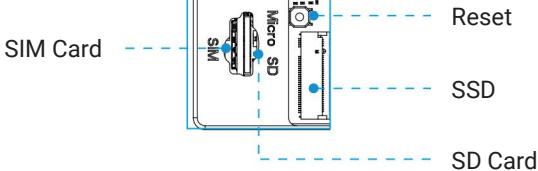
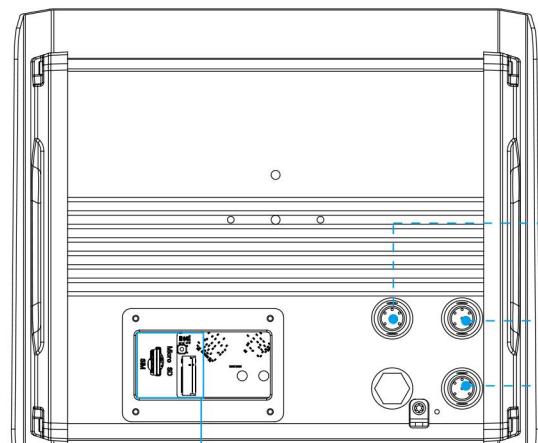
	Mount	Custom mount
	Field of View	Horizontal FOV 41.4° to 10.3°, Vertical FOV 26.8° to 8.42°, Diagonal FOV 32° to 13.3°
Video	Max. Resolution	2448x2048
	Max. FPS	60fps
	Video Compression	H.265/H.264/MJPEG
	Video Bit Rate	16Kbps~16Mbps (CBR/VBR Adjustable)
	Image Setting	Brightness/Contrast/Saturation
	Privacy Masking	Up to 8 Areas
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 & M & 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.: 6.7W Max.: 26.0W
	Power Supply	24 V DC/ 24 V AC
	Weight	4.30kg 6.43kg (With package)
	Dimensions	295*245*141mm
	Warranty	3 Years
Certifications	EMC	CE-EMC (EN 55032, EN 55035), FCC (PART 15B), RCM (AS/NZS CISPR 32:2015+A1(2020))
	RF	CE-RED (EN 301 489-1, EN 301 489-19, EN 301 489-52, EN 301 908-1, EN 301 908-13, EN 303 413, EN 50663, EN 62479) RCM(AS/CA S042.1, AS/CA S042.4, AS/NZS 2772.2)
	Safety	CE-LVD (EN IEC 62368-1), RCM(ASNZS 62368)



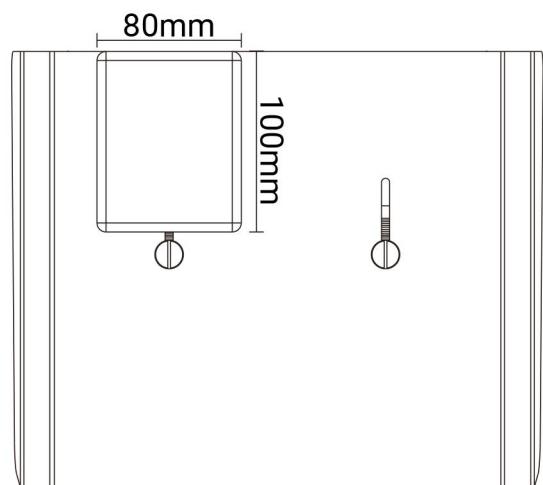
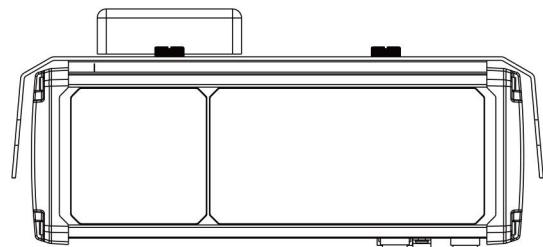
Environment	CE-ROHS (Directive (EU) 2015/863 amending 2011/65/EU), IP67(IEC 60529), IK10(IEC 62262)
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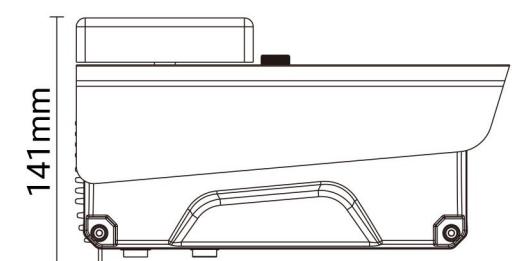
Structure Diagrams



295mm



245mm



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

