

Traffic Incident Detection Camera

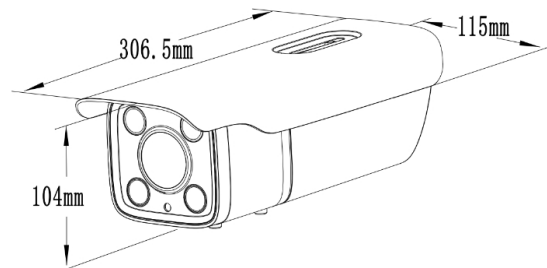
SV-ETL-C1A-EX

Making Cities Better

Product Overview

The product is equipped with an 8-megapixel 1/1.8-inch starlight CMOS image sensor and designed for road traffic incident detecting. It supports detection of stopped vehicles, wrong-way driving, pedestrians, fallen object, traffic congestion, lane departure and other abnormal traffic incidents.

Product Appearance



Functional Features

- Adopts an 8-megapixel 1/1.8-inch starlight CMOS image sensor, delivering excellent low-light performance and high definition, adaptable to a wide range of application scenarios.
- Built-in high-performance AI computing module, supports incident detection for various complex road scenes
- Supports detection of various traffic incidents including stopped vehicles, wrong-way driving, pedestrians, fallen object, traffic congestion and lane departure.
- Integrated smart LED supplementary light, which automatically adjusts brightness according to ambient light conditions.
- Supports strong-light suppression function to automatically optimize image brightness based

BLUE ROBOT AI

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on vehicle headlights on roads.

- Supports automatic network time synchronization via NTP protocol.
- Enables remote IoT management, remote control/parameter configuration/firmware upgrade and other operations.
- IP67 Ingress Protection Rating

Technical Parameters

Parameter Name	Parameter Value
Camera Parameters	
Pixel	8 MP
Image Sensor	1/1.8" Starlight CMOS
Minimum Illumination	Color: 0.001 lx (AGC ON) B/W: 0.0001 lx (AGC ON)
Protocol	ONVIF/GB/T 28181
Video Compression Standard	H.264, H.265
Video Bitrate	256 Kbps~16Mbps
Video Frame Rate	1~30fps
Shutter Speed	Auto/Manual 1/25~1/1000S
Lens Mount	CS
Noise Reduction	2D/3D Digital Noise Reduction
Wide Dynamic Range	Digital WDR
Video Resolution	3840*2160
Video Frame Rate	Main Stream: 3840×2160@30fps (configurable) Sub Stream: 1920×1080@30fps (configurable)
Function Settings	Supports web configuration ● Image adjustment (brightness, contrast, saturation, hue, sharpness); ● Exposure (white balance, backlight compensation, image enhancement, day/night mode); ● Video (encoding, resolution, frame rate, bitrate control type, image quality, I-frame interval); ● Image (encoding, resolution, image quality); ● Network (network settings, port, protocol); ● Storage (recording, snapshot, schedule management); ● System (general settings, output mode, user management, configuration management, upgrade management, auto maintenance), etc.
Image Capture Method	Supports HTTP image capture with different image quality levels
Lens Parameters	
Focal Length	Focal Length 8-32mm
Zoom	Motorized
Magnification	Motorized
Basic Parameters	
Power Interface	DC5521
Network Interface	RJ45
Voltage	DC12V±5%
Power Consumption	<15W;
Weight	≈1.7KG

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Dimensions	≈306.5*115*104(mm)
Operating Temperature	-30°C-70°C
Ingress Protection Rating	IP67

Application Scenarios

Traffic incident detection

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