

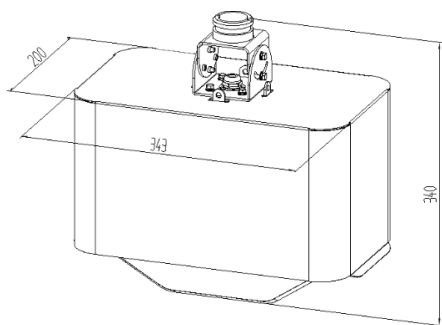
Full-Scenario Perception Camera SV-ETL-M3A-EX

Making Cities Better

Product Overview

The Full-Scenario Perception Camera has three built-in 8MP high-definition camera modules; supports deep learning algorithms to effectively improve detection accuracy; the product has an internal compatible design and can be equipped with various lenses, suitable for different application scenarios. Mainly for smart highways, digital intersections, vehicle-road-cloud integration, road parking management, road traffic flow monitoring and other fields, it can realize 24-hour all-weather real-time management. The product has strong flexibility in use, and through the combination of lenses and installation height, it can form omni-directional monitoring and management.

Product Appearance



Functional Features

- Triple high-definition 1/1.8-inch CMOS image sensors;
- Built-in micro PTZ, greatly facilitating installation and maintenance;
- Supports NTP time synchronization, enabling accurate time synchronization;
- Can output multiple streams simultaneously, with low latency characteristics;
- Traffic data collection: traffic flow, average lane speed, headway, lane occupancy;
- Supports remote device software upgrade and parameter configuration;

BLUE ROBOT AI

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- IP67 ingress protection rating.

Technical Parameters

Parameter Name	Parameter Value
Camera Parameters	
Pixel	8MP*3
Sensor	1/1.8" Starlight CMOS
Minimum Illumination	Color: 0.001 lx (AGC ON) B/W: 0.0001 lx (AGC ON)
Protocol	Supports ONVIF protocol, supports GB/T28181 protocol
Video Compression Standard	H.264, H.265 video encoding, supports dual-stream, AVI format
Video Bitrate	256 Kbps~16Mbps
Video Frame Rate	1~25fps
Shutter Speed	Auto/Manual 1/25~1/1000S
Noise Reduction	2D/3D Digital Noise Reduction
Wide Dynamic Range	Digital WDR
Maximum Image Resolution	3840*2160
Image Output	Main Stream: 3840×2160@25fps (configurable) Sub Stream: 1920×1080@25fps (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, plan management)
Image Capture Method	Supports HTTP image capture with different image quality levels and bitrates
Lens Parameters	
Resolution	3840x2160
PTZ Parameters	
Adjustment Range	Up and down bidirectional adjustment, -18°~+18°
Basic Parameters	
Power Interface	DC5521
Network Interface	RJ45*2
Voltage	DC12V±5%
Power Consumption	30w
Weight	≈8KG
Dimensions	≈343*200*340 (mm)
Operating Temperature	-30°C-70°C
Ingress Protection Rating	IP67

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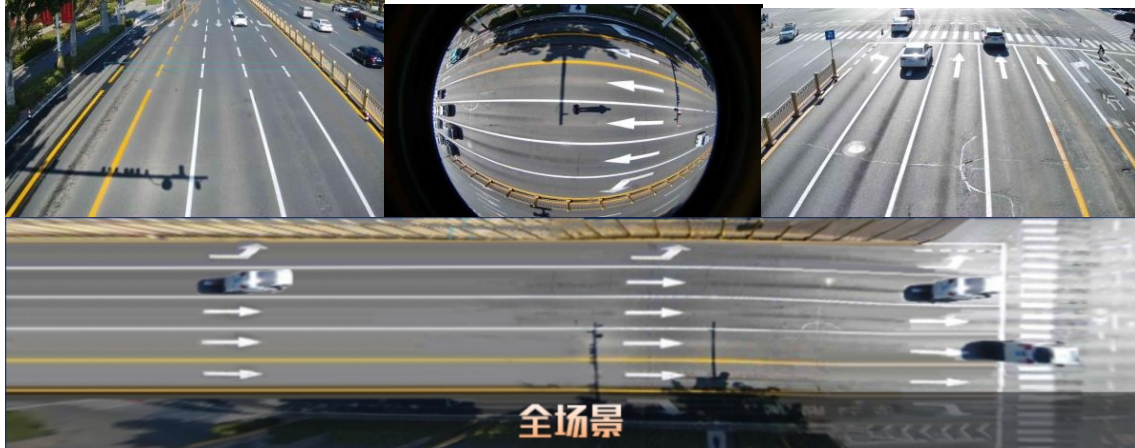
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Application Scenarios

Intelligent Transportation: Digital Intersection, Smart Road Network, Smart Highway, Vehicle-Road-Cloud Integration.



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