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Smart AI License Plate Camera

4G Full Network Compatibility, Plug-and-Play Internet Access,

Scan QR Code to Directly Add License Plate Recognition, Global

License Plate Capture

Pedestrian and Vehicle Detection

Supports multiple AI applications, 512GB TF card storage

5MP Smart Dual-Light

Supports HTTP/HTTPS, MQTT, FTP,



Product Features

·1/2.7-inch HD high-sensitivity CMOS sensor;

· Full-network 4G connectivity with comprehensive frequency coverage; automatically connects to server upon power-up; scan QR code to add device;

·Dual-use wired/4G networks for multiple connectivity options;

·Supports sharing functionality with permission control for shared users;

· Supports H.264 and H.265 encoding formats, 5MP high-definition resolution, 6mm high-definition lens;
Main Stream: 5MP (2880×1624)/4MP (2560×1440)/3MP (2304×1296)/2MP (1920×1080) Sub Stream:448P (800×448)/D1 (704×576)/360P (640×360)/ CIF (352×288);

· Intelligent license plate recognition algorithm (activation required);

·Human and Vehicle Shape Detection Algorithm (requires license plate recognition activation);

---AI Extended Applications: Electronic Fence, Boundary Crossing Detection, Unattended Detection, Pedestrian Flow Statistics, Vehicle Flow Statistics;

· License plate capture and recognition structured algorithm:

---Supports global license plate capture functionality;

---Capable of identifying license plate color, plate information, and vehicle model details;

---Automatic mode switching: Monitors surroundings without license plates; adjusts brightness for plate recognition when plates are present;

---Overlays license plate numbers and vehicle model information onto video footage after recognition;

---Supports automatic and manual capture modes for diverse application scenarios;

---When paired with our smart NVR host, enables license plate database management, unknown plate logging, black/white list alarm linkage, and video retrieval by license plate;

· Supports audio input/output with two-way intercom; supports alarm input/output;

· Supports FTP functionality for image uploads; compatible with GB28181, MQTT, and HTTP/HTTPS protocols;

· Supports TF cards up to 512GB capacity;

· Supports image masking to obscure privacy areas; supports OSD character overlay and network time synchronization;

· **Supports mobile remote monitoring (iOS，Android) and computer remote monitoring;**

|Product Specifications

Features	
White Balance	Supports automatic white balance
Digital Noise Reduction	Supports 3D noise reduction
Wide Dynamic Range	Supports true wide dynamic range
Privacy masking	Supported
OSD	Supports OSD settings and OSD dragging
Smart Features	
Smart Detection	Detects human/vehicle shapes for intelligent alerts.
	Extended Applications: Electronic Fence, Boundary Crossing Detection, Unattended Detection, Pedestrian Flow Statistics, Vehicle Flow Statistics

License Plate Recognition Algorithm	
License Plate Recognition Modes	Supports automatic and manual modes; Simultaneously handles surveillance and license plate recognition; maintains clear peripheral vision when no plates are detected, and focuses on plates when detected; Supports global license plate capture, with recognition for Chinese and Vietnamese plates;
Recognition Methods	Structured license plate recognition algorithm;
Output Information	Supports recognition of license plate color, plate number, and vehicle model information. Supports OSD overlay display of license plate information;
Vehicle Speed	Auto Mode: Below 60 km/h; Manual Mode allows adjustable speed;
Recognition Distance	6mm Lens: 4-13 meters;
Functional Integration	Supports voice announcements, alarm outputs, TF card snapshot capture, TF card recording, and FTP uploads; When paired with an intelligent NVR host, enables license plate database management, unknown license plate recording, blacklist/whitelist alarm linkage, and license plate-based video retrieval; (N310B, N316B, N336A)
Installation Requirements	Requires stable ambient lighting. In insufficient lighting conditions, additional LED fill lights are needed to illuminate vehicle bodies. Camera must be positioned facing the direction of vehicle travel to capture front license plate images.

Video	
Compression	H.264, H.265
Resolution	Main Stream: 5MP (2880×1624), 4MP (2560×1440), 3MP (2304×1296), 2MP (1920×1080)
	Substream: 448P (800×448)/D1 (704×576)/360P (640×360)/CIF (352×288)
Video Frame Rate	5MP: 25fps
Network	
Ethernet	RJ-45 10M/100M auto-negotiation
4G	LTE-FDD: B1/B3/B5/B8 LTE-TDD: B34/B38/B39/B40/B41
Protocols	ONVIF, P2P, CGI, HTTP, TCP/IP, IPv4, RTSP, UDP, NTP, DHCP, DNS, FTP, GB28181, MQTT, HTTP/HTTPS
Access Protocol	ONVIF Protocol/Proprietary Protocol/CGI
Maximum Connections	3 main streams, 3 sub-streams
Client	Rui Doctor/Hi Easy, EasyVMS
Audio	
Audio	G.711U, G711A
Audio Input	Supported
Audio Output	Supports 1 active output channel and 1 amplifier output channel
Other Interfaces	
TF Card	Supports 512GB TF cards
Alarm Input	Support
Alarm Output	Supports 1-channel level alarm output, expandable to switch-type alarm output;
General Specifications	
Operating Environment	-30°C to +60°C
Power Supply	DC12V

|APP Download: **Dr.Rui/HiEasy**