RA5 series

Smart Vehicle Identification Recognition Camera

VisionZenith

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RA5 series

Smart Vehicle Identification Recognition Camera

Comprehensive accurate identification vehicle brand/type/model/color information
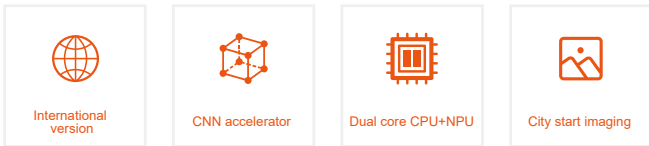
Blacklight Full Color Night Vision

Independent NPU, real-time recognition

Cloud Platform Management

Full scene coverage of international intelligent transportation

Enhance industry standards

International version	CNN accelerator	Dual core CPU+NPU	City start imaging

Technical specifications

Basic	Model	RA5 (CE certification)
	Form	5MP all-in-one dual core processor+CNN hardware acceleration engine
Imaging	Maximum resolution	2880 (H) X1620 (V)
Lens	Standard/optional	Standard 6mm fixed focus lens, optional zoom lens: 7-22mm
Video	Compression standard	H. 264/H.265/MJPEG
Audio frequency	Voice intercom	Supports cloud/local bidirectional voice intercom
Intelligent Algorithm	Comprehensive recognition rate	Capture rate ≥ 99.9%, recognition rate ≥ 99.8% (typical scene+typical license plate)
	Available vehicle speed	0-80 km/h
	License plate recognition type	Azerbaijan, Ireland, Brazil, Bulgaria, Poland, Denmark, Germany, France, Netherlands, Kyrgyzstan, Croatia, Kenya, Romania, Malta, Moldova, Switzerland, Serbia, Slovakia, Türkiye, Urcairn, Ukraine, Uzbekistan, Greece, Israel, Italy, Indonesia, Britain, Vietnam, Argentina, Ghana, Nigeria Jamaica, Angola, Cameroon, Panama ≥ 99% Monaco, Estonia, Czech Republic, Portugal, Bulgaria, Luxembourg, Finland, Montenegro, Thailand, Slovenia, Hungary, Latvia, Russia, Kazakhstan, Lithuania, Norway, Belgium, Cyprus, Sweden, Georgia, Belarus, Spain ≥ 99% Malaysia, Singapore, India, Hong Kong SAR, Macau SAR ≥ 99%
	Algorithm	License plate anti-counterfeiting, video triggering of unlicensed vehicles, logo recognition, model recognition, vehicle color recognition, white list of license plates, and intelligent calibration of license plates
	Three License Plate Recognition	Support
Communication	Protocol	SDK, ONVIF, HTTP, MQTT, RTSP, TCP/IP, UDP, RS485, NTP, 1400, GB/T28181
	4G	Support for optional options
Interface	Ethernet port	1 channel 10/100Mbps adaptive RJ45
	IO	4 IO inputs, 2 IO outputs
Reliability	Operating environment	Power supply 12V DC, power consumption ≤ 5W, temperature -20°C to 70°C
Structure	Size	Complete machine: 452mm (L) x 130mm (W) x 104mm (H); Movement: 135mm (L) x 78mm (W) x 55mm (H)
Administration	Service	Basic services, supporting rich secondary development