



ANPR

Traffic Control System

Model -NS-LPR2150

Overview

ANPR device is also known as a license plate recognition camera. It is a device equipped with optical character recognition technology specifically designed to capture and analyze license plate numbers.

It is widely used in various applications such as law enforcement, parking management, and toll collection, among others.

Features

- Used in traffic control systems
- Utilizes advanced CMOS image sensor for vehicle information capturing.
- Utilizes deep learning algorithm for precise recognition of vehicles.
- It can capture vehicle model, logo, series, color, etc.
- Offers multiple signal, data, and communication interfaces.
- Equipped with built-in LED illuminator for easy installation.

Benefits

- Enhances traffic control by automating vehicle identification and monitoring.
- Provides 24/7 in-depth extraction and analysis of vehicle information.
- Accurately recognizes vehicles, capturing additional details.
- Supports integration with other devices for seamless operation.
- Simplifies installation with built-in LED illuminator.
- Enables efficient enforcement of regulation.

Technical Specifications

Illuminator Number	6 IR illuminators, brightness adjustable
Image Sensor	1/2.8" CMOS
Image Resolution	1920 × 1080 (OSD black strip excluded)
Video Resolution	PAL: Main stream (1920 × 1080@25fps, 1280 × 720@25fps), sub stream (1280 × 720@25fps, 704 × 576@25fps, 352 × 288@25fps) NTSC: Main stream (1920 × 1080@30fps, 1280 × 720@30fps), sub stream (1280 × 720@30fps, 704 × 408@30fps, 352 × 240@30fps)
Communication	Pogo Pin USB, 11,000 records per minute
Bit Rate	H.264B: 32Kbps–32768Kbps H.264M: 32Kbps–32768Kbps H.264H: 32Kbps–32768Kbps H.265: 32Kbps–32768Kbps MJPEG: 512Kbps–65536Kbps
Video Compression	H.264B/H.264M/H.264H/H.265/MJPEG
Picture Encoding Format	JPEG
Noise Reduction	3DNR
White Balance	Full auto, auto color temperature range, customized color temperature
Electronic Shutter Speed	1/50–1/10000, auto or manual
WDR	96 db
Edge Enhancement	Yes
Exposure Mode	Full auto, customized auto, customized
Iris Control	Auto iris (W: 1.6–T: 3.3)
Trigger Mode	Video detection; I/O coil; video detection and I/O coil
Shutter	Single shutter
Storage	1 built-in TF card port. Supports Kingston 16G, 32G, 64G, and 128G; Dahua 16G, 32G, 64G, and 128G; SanDisk 16G, 32G, 64G, and 128G
Image Tampering Prevention	Yes

Technical Specifications

Field of View	Horizontal: 108.1° (W)–30.3° (T); Vertical: 56.3° (W)–17.1° (T); Diagonal: 130.9° (W)–34.8° (T)
Illumination Distance	12 m (39.37 ft)
Capture Range	3 m–6 m (9.84 ft–19.69 ft)
Detected Lane Width	3 m –4 m (9.84 ft–13.12 ft)
Min Ambient Illuminance	0.002 Lux. Illuminator is designed with the camera for illumination
Max Speed that the Camera Detects	30 km/h
Alarm Event	Alarm in the case of no storage card, not enough storage space, storage card error, network disconnection, IP conflict, and illegal access
Security	Authorized username and password, MAC address binding, HTTPS encryption, IEEE 802.1x, and network access control
OSD Overlay	Supports overlay of time, address (position of channel), lane (number/direction), plate (number and color), vehicle (speed, color, type)
Automatic Network Replenishment (ANR)	Yes. Platform/FTP
Auto Registration	Yes
Vehicle Detection	Vehicle capture rate ≥99%
Vehicle Recognition	Supports recognizing vehicle type, vehicle logo, vehicle series, vehicle color, license plate, features of driver and front-seat passenger, and vehicle without plate. Vehicle recognition rate ≥95%
Video Metadata	Yes
Intelligent Track Frame	Intelligent frame display. Supports displaying vehicle plate and vehicle path
Lens Mount	Φ14
Analog Output	1
Network	1 100/1000M Ethernet port (RJ-45)
RS-485	2
RS-232	1

Technical Specifications

Alarm Input	3, optocoupler input (on-off input)
Alarm Output	3 ports. 2-channel optocoupler output, 1-channel relay output, which can connect to devices such as barriers
Audio Input	1-channel RCA port
Audio Output	1-channel RCA port
Power Supply	12V DC, 24V AC, PoE+
Power Consumption	<20W
Operating Temperature	−30°C to +65°C (−22°F to +149 °F)
Operating Humidity	10%RH–90%RH (no condensation)
Casing	Metal and plastic
Protection Grade	IP67
Dimensions	486.7 mm × 124.3 mm × 185.5 mm (19.16" × 4.89" × 7.30") (L × W × H)
Net Weight	1.9 kg (4.19 lb)
Gross Weight	3.3 kg (7.28 lb)
Installation	Installed with bracket
Lens	3.2 mm –10.5 mm



Brief product specifications are mentioned, that may change without prior notice, please check with OEM before purchase. Images are shown for reference only; the actual product may differ due to product enhancement.