

SECUREOS

License Plate Recognition

SECUREOS Introducing our advanced License Plate Recognition (LPR) system, designed to provide accurate, real-time identification of vehicle license plates. Utilizing cutting-edge optical character recognition (OCR) technology, our system ensures reliable performance in various lighting and weather conditions. It's the perfect solution for traffic management, parking enforcement, toll collection, and security applications.

Benefits

- **High Accuracy Recognition:** Capable of recognizing plates from over 150 countries with an accuracy rate exceeding 98%.
- **All-Weather Operation:** Enhanced image processing algorithms ensure consistent performance in fog, rain, snow, and direct sunlight.
- **Day and Night Functionality:** Equipped with infrared (IR) illumination to deliver clear plate images in low light or nighttime conditions.
- **Multiple Plate Capture:** Simultaneous recognition of multiple plates within a single frame.
- **Speed Detection:** Ability to capture plates of vehicles traveling at speeds of up to 200 km/h (124 mph).
- **Flexible Integration:** Easily integrates with existing traffic management and security systems via API.
- **Vehicle Color Identification:** Utilizes color analysis algorithms to accurately identify the color of the vehicle.
- **Vehicle Model Detection:** Employs deep learning models to classify vehicle models based on shape, size, and other distinctive features.
- **Real-time Alerts:** Instant notifications for blacklisted vehicles or policy violations, available via SMS, email, or integrated application alerts.
- **Camera Resolution:** 1920x1080 pixels, capable of adjusting to 4K for specific requirements.
- **Frame Rate:** Up to 60 frames per second.
- **OCR Languages:** Supports Latin, Arabic, Cyrillic, Thailand, and Chinese scripts.
- **Data Output Format:** XML, JSON, or custom formats upon request.
- **Connectivity:** Ethernet, Wi-Fi (optional), and cellular (4G/LTE, optional).
- **Power Supply:** 12V DC or Power over Ethernet (PoE).
- **Operating Temperature:** -20°C to 60°C (-4°F to 140°F).