



Optima ANPR200 is an advanced all-in-one ANPR camera with built-in AI processing and storage. It performs real-time license plate recognition without the need for an external server or PC. Designed for easy installation and reliable operation, it is an ideal solution for parking lots, residential areas, industrial facilities, and access control applications.



AI-Powered
Recognition

5MP

5 MP High
Resolution



On-Board
Storage



Relay Output
for Arm Barriers



Mobile Access
(iOS & Android)



Blacklist /
Whitelist
Matching



3rd Party
Integration



PoE
(IEEE 802.3af/at)
12V DC

KEY FEATURES

- ✓ 5 MP high resolution AI camera
- ✓ Real-time license plate recognition
- ✓ IR & White Light illumination for day and night operation
- ✓ All-in-one operation with embedded AI processing
- ✓ On-board storage for data and image recording
- ✓ Real-time blacklist / whitelist matching
- ✓ Cross-platform mobile access (iOS & Android)
- ✓ Open API for 3rd party software integration
- ✓ Relay output for arm barriers (dry contact)
- ✓ Power input: 12V DC / PoE (IEEE 802.3af/at)
- ✓ Weatherproof housing for outdoor installation
- ✓ Easy installation and configuration

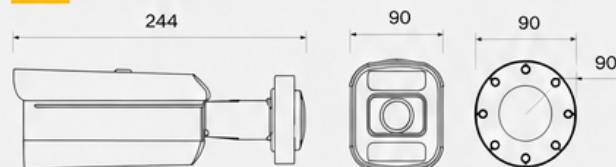
TYPICAL APPLICATIONS

- Parking Management
- Commercial Buildings
- Access Control
- Tolling Systems
- Residential Communities
- Logistics & Warehouses
- Industrial Facilities
- Government & Campus

TECHNICAL SPECIFICATIONS

Image Sensor	1/2.7" CMOS
Resolution	5 MP (2592 × 1944)
Lens	Motorized 2.7 ~ 13.5 mm
IR Illumination	Up to 40 m
White Light Illumination	Up to 30 m
Minimum Illumination	Color: 0.005 Lux @ F1.6 B/W: 0.001 Lux @ F1.6
Shutter Speed	1/25 s ~ 1/100,000 s
Video Compression	H.265 / H.264 / MJPEG
Frame Rate	25 fps
ANPR Performance	> 99% recognition accuracy
Storage	On-board Storage (up to 512 GB)
Network Interface	1 × RJ45 10/100/1000 Mbps
Communication	TCP/IP, HTTP, HTTPS, FTP, NTP, DHCP, DNS
Integration	Open API (REST API / HTTP)
Mobile Access	iOS & Android
Relay Output	1 × Relay Output (Dry Contact) Direct connection to arm barriers
Power Supply	12V DC / PoE (IEEE 802.3af/at)
Power Consumption	< 12 W
Operating Temperature	-30 °C ~ +60 °C
Protection Rating	IP67
Dimensions	244 × 90 × 90 mm
Weight	Approx. 1.3 kg

DIMENSIONS (mm)



SYSTEM ARCHITECTURE

