

Security Systems

ON-STREET PARKING CAMERA | OSC-100



- Embedded AI recognition with stable and reliable performance
- 8MP HD camera supporting detection of 6-8 parking spaces
- Supports parallel, perpendicular and angled parking layouts
- High-precision ANPR / License Plate Recognition
- Parking occupancy status detection {occupied / vacant}
- Dual-stream encoding with ONVIF compatibility
- H.265 compression reduces bandwidth and storage requirements
- IP68 enclosure for outdoor operation
- Warm-light illumination and low power consumption

APPLICATION SCOPE

Designed for urban roadside parking spaces, including parallel, diagonal and perpendicular layouts; supports management of 6 to 8 parking spaces

CAMERA SPECIFICATIONS

Camera Main Chip	Dedicated Embedded License Plate Recognition Chip
Camera Sensor	8MP, 1/1.8 "CMOS
Lens	Motorized Zoom Lens, 1~29mm for closed-range, 13~55mm for large-range
Maximum Image Size	8MP (3840*2160)
Frame Rate	5-25fps selectable, default 25fps
Image Functions	Wide Dynamic Range, Backlight Compensation, Anti-flicker
3A Control	Auto White Balance, Auto Gain Control, Auto Exposure
Image Parameters	Adjustable brightness, hue, contrast, and saturation
Noise Reduction / Signal-to-Noise Rat.io (SNR)	3D Digital Noise Reduction (DNR) / S0dB
Compression Format	H.264/H.265
Dual Stream	Supported

SOFTWARE FUNCTION PARAMETERS

Parking Space Detection	6 to 8 parallel, diagonal, perpendicular parking spaces
Supported Plate Types	Standard and special-format plates including single-line, double-line, reflective, non-reflective, commercial, diplomatic, military, and new energy vehicle plates; customizable plate pattern library for different countries and regions
Abnormal Occupancy Alert	Line-crossing Parking, Overlapping Parking, Reverse Parking, Parking Outside Space, Non-motorized Vehicle Occupancy, Unlicensed Vehicle Occupancy, Repeated Entry/Exit from Parking Space
Character Overlay	Time, Parking Space Number, Custom Information, Recognition Result
Network Protocols	TCP/IP, HTTP, RTSP
ONVIF	Supports standard ONVIF protocol

HARDWARE SPECIFICATIONS

Network Ports	2 x 1 00M adaptive RJ45 ports
Motorized PT	15° adjustable in all directions
Illuminator	9 warm white LEDs with adjustable brightness
Pole Mount	Standard all directions pole mount
Input Voltage	DC 12~24V
Ingress Protection (IP Rating)	IP68
Total Power Consumption	<30W
Electrostatic Discharge (ESD)	Air discharge: 8kV,Contact discharge: 6kV
Surge Protection	4KV
Operating Temperature	-35°C to +70°C
Operating Humidity	20% to 90% RH (non-condensing)
Dimensions(mm)	228(W)*1 67(H)*425(D)
Net Weight	<5kg

Installation Notes

1. Recommended installation height: 4.7-6 meters/For on-street high-mounted cameras, 6 meters is recommended/For mid-mounted cameras, 4.7 meters is recommended
2. At a height of 6 meters, the horizontal blind zone for parallel parking spaces is approximately 18 meters/ At a height of 4.7 meters, the horizontal blind zone is approximately 15 meters