



# ROADSIDE ALPR BOLLARD



ALPR



PAYMENT



OCCUPANCY  
DETECTION





# ALPR

High-performance **Automatic License Plate Recognition** system.



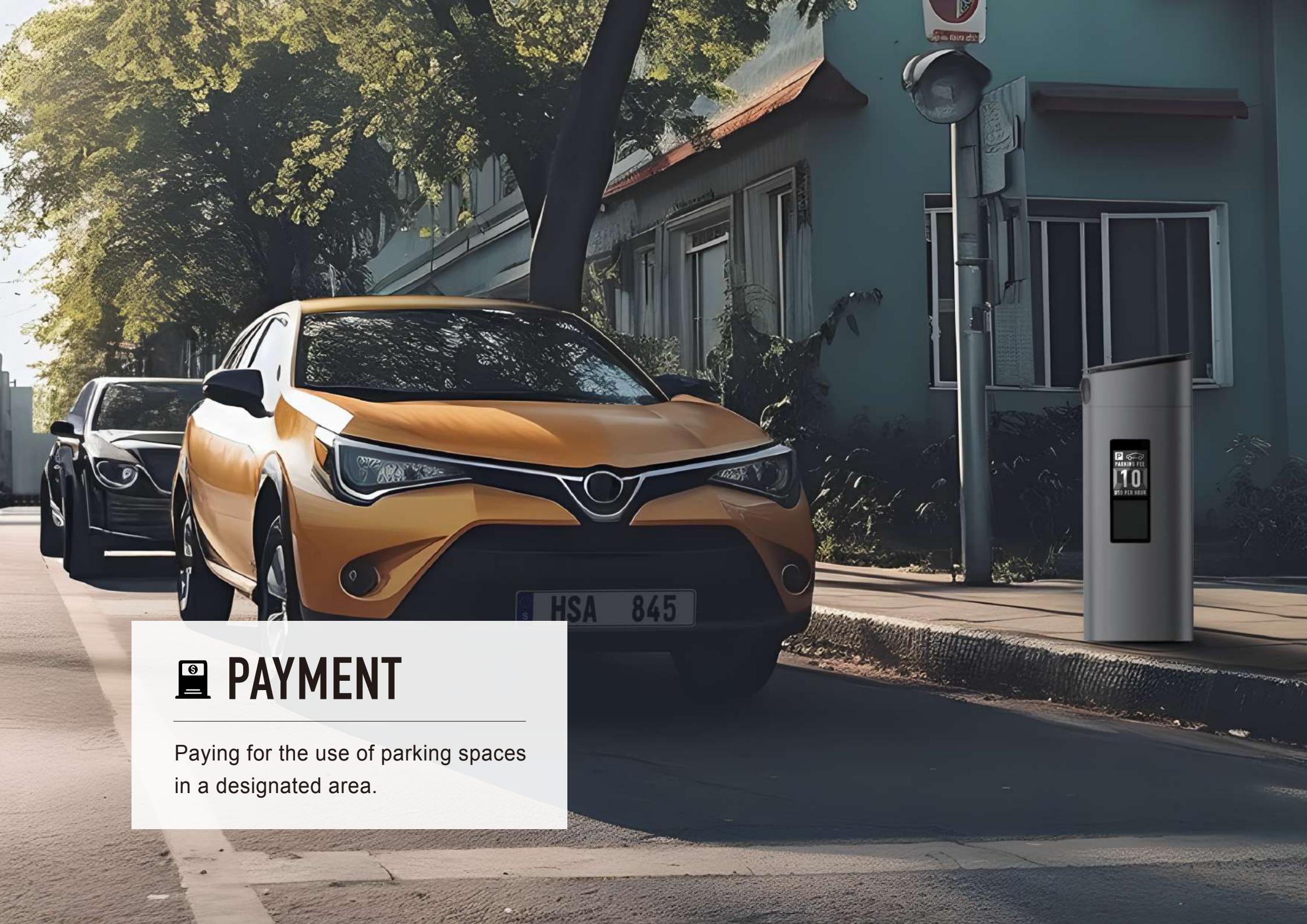




## OCCUPANCY DETECTION

Displaying different colored lights to guide drivers to available parking spaces.





## PAYMENT

Paying for the use of parking spaces in a designated area.

# FUNCTION



**AUTOMATIC LICENSE PLATE RECOGNITION (ALPR)** is a technology that uses optical character recognition on images to read vehicle license plates.



**PAYMENT** refers to the process of paying for the use of parking spaces in a designated area, including on-street parking spaces and public parking lot.



**OCCUPANCY DETECTION** utilize sensors, cameras, or other technologies to determine if a space is occupied by people.



**ROADSIDE ALPR BOLLARD**  
AM-M-01A(DC) / AM-M-02A(AC)

# SPECIFICATION



**ROADSIDE ALPR BOLLARD**  
**AM-M-01A(DC) / AM-M-02A(AC)**

SIZE	AM-M-01A(DC)	AM-M-02A(AC)
Dimension (WxDxH)	29 X 27.5 X 79 cm	
<b>ELECTRICAL</b>		
AC Input Rating	AC 90~240V, 50 / 60Hz	
DC Input Rating	DC +40 ~ +50V	
License Plate Recognition Accuracy	> 99%	
LED Indicators	7 colors	
Network Interface	4G LTE Cat.4 / RJ45 1 Gbps ethernet	
NFC	Supports NFC unlock for maintenance	
<b>ENVIRONMENT</b>		
Operation Temperature	-20°C ~ +70°C	
Operation Humidity	10% ~ 95% relative humidity, non-condensing	

# SPECIFICATION



CAMERA	AM-M-01A(DC)	AM-M-02A(AC)
Number Of Cameras	1	
Field Of View	D:94.7° / H:80.2° / V:43°	
Camera Pixels	2M pixels	
Resolution	1920 x 1080 pix	
File Formats	JPEG	
Monitored Spaces	1	
<b>OPTIONAL</b>		
E-Paper	E-paper for real-time parking fees	



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**AM-M-01A(DC) / AM-M-02A(AC)**

# HARDWARE

	ITEM	DESCRIPTION	AM-M-01A(DC)	AM-M-02A(AC)
<b>STANDARD</b>	4G LTE Network Access	4G LTE internet access.	V	—
	LED Indication	8-Colors LED indication for specific condition.	V	V
	2MP Camera Module	2MP camera module for automatic license plate recognition	V	V
	NFC-Based Locker For Maintenance	NFC-based locker for maintenance.	V	V
	Key-Based Locker For Maintenance	Key-based locker for maintenance.	V	V
	Battery Level Detection	Battery level detection.	V	—
	Operational Temperature Monitoring	Internal temperature measurement.	V	V
	DC Battery Power Supply	Gogoro battery DC power supply.	V	—
	AC Power Supply	AC power supply.	—	V
	Aluminum Alloy Casing	High-strength aluminum alloy casing / passed IK10 impact test.	V	V
<b>OPTIONAL</b>	Enclosure Wrapping	The casing can be customized with patterns according to requirements.	⊙	⊙

V Standard

⊙ Optional

— Not available



# SOFTWARE

	ITEM	DESCRIPTION	AM-M-01A(DC)	AM-M-02A(AC)
<b>STANDARD</b>	Device API	Integration of the device with customer systems via API.	V	V
	Bollard API	Device health, live video, vehicle entry and exit information.	V	V
<b>OPTIONAL</b>	Frontend LPR	Device with built-in LPR engine for vehicle entry and exit determination.	⊙	⊙
	Backend LPR	Determining vehicle entry and exit through cloud-based LPR engine.	⊙	⊙
	OTA Updates	Over-the-air firmware updates.	⊙	⊙
	Cyclic Recording	Video recording storage, accessible for retrieval at any time.	—	⊙
	Smoke And Flame Detection	Automatic alerting for smoke and flames.	—	⊙
	Sentry Mode	Proactive notification of anomalies.	—	⊙
	In-Vehicle Detection System	Parking record of parking spaces and vehicles.	⊙	⊙
	Car Locating System	Querying the parking location of vehicles.	⊙	⊙
	Parking Space Display System	Displaying the number of available parking spaces.	⊙	⊙

V Standard

⊙ Optional

— Not available