SXK-LPR100Y

License Plate Recognition Parking Terminal



CONCEPT INSTALLATION / LPR100Y + D01 / 18.5-inch outdoor HD display

THINKPARK LPR100Y is an integrated license plate recognition terminal equipped with an 18.5-inch outdoor high-definition display. Its front-facing camera and large display bring vehicle identification and driver-facing information together at the lane. The terminal is intended for parking access projects that need a prominent visual interface at the entrance or exit.

Product highlights

Integrated plate recognition | 18.5-inch outdoor HD display | Parking platform integration

For hospitals, shopping centers, hotels, residential communities, office buildings and stations.

Functions and operating experience



01 Integrated terminal design

Bring vehicle identification and driver information into one upright unit. Pair it with the D01 straight-arm barrier for a coordinated entrance layout.

02 Display options for each site

Use the 18.5-inch outdoor HD screen to present recognition results and driver information in a large, front-facing interface.

03 License plate based access

Identify supported vehicle plates and connect the result to the parking access workflow. Local plate support and capture settings follow the selected camera and algorithm.

04 Parking information and guidance

Present the parking information configured for the site. Plate details, fee messages and available-space information depend on the parking platform and display configuration.

05 Parking operation and reporting

Use a compatible platform to apply access permissions, calculate parking fees and review vehicle records. Reporting functions follow the selected parking platform.

06 Networked lane management

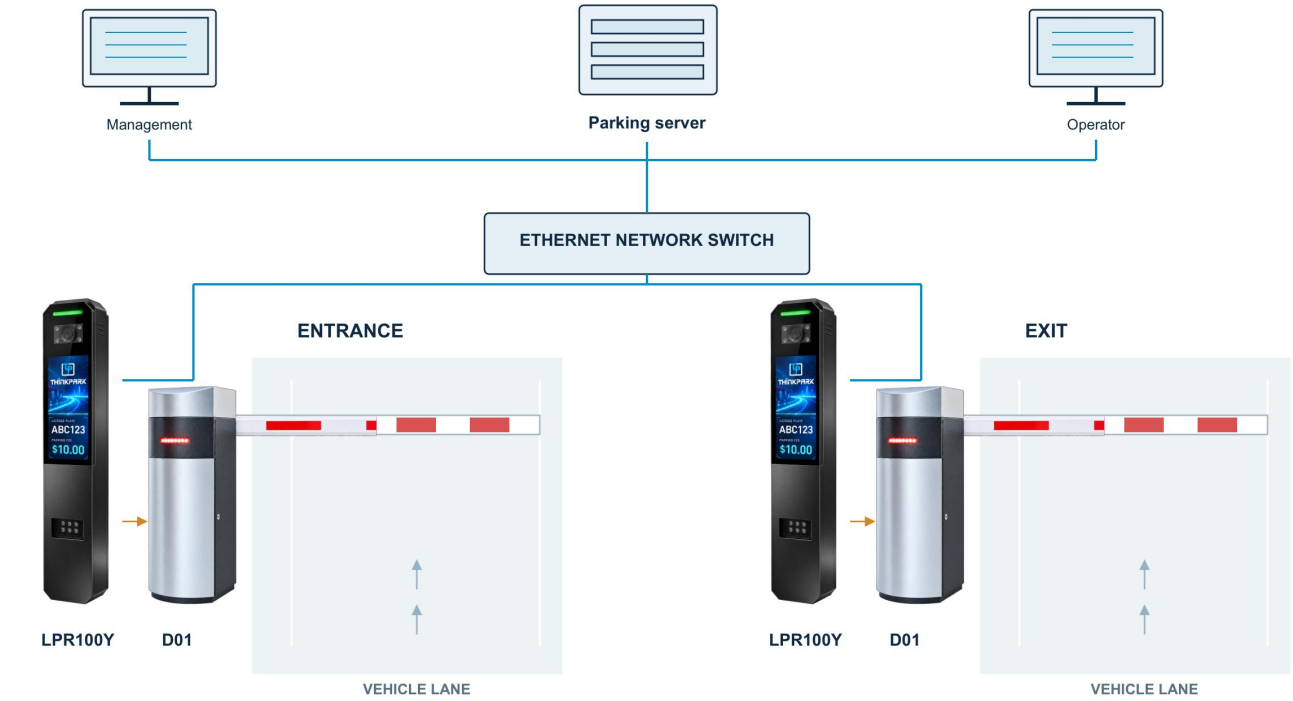
Connect entrance and exit equipment through the selected network architecture. Link recognized vehicles, operator workstations and barrier control in one parking workflow.

Advanced configuration options

Adaptive screen profiles, vehicle event analysis, offline access rules and QR-based services may be specified with a compatible platform. Confirm the selected camera, firmware, display and peripherals.

System architecture and lane arrangement

A typical entrance and exit network pairs LPR100Y terminals with D01 barriers. Each terminal and barrier cabinet sits on the left side of its vehicle lane. The straight arm is installed behind the D01 cabinet.



Blue: network | Orange: control | Barrier arm is on the rear of the cabinet

Vehicle access workflow

01 Identify → **02 Evaluate** → **03 Inform** → **04 Release**

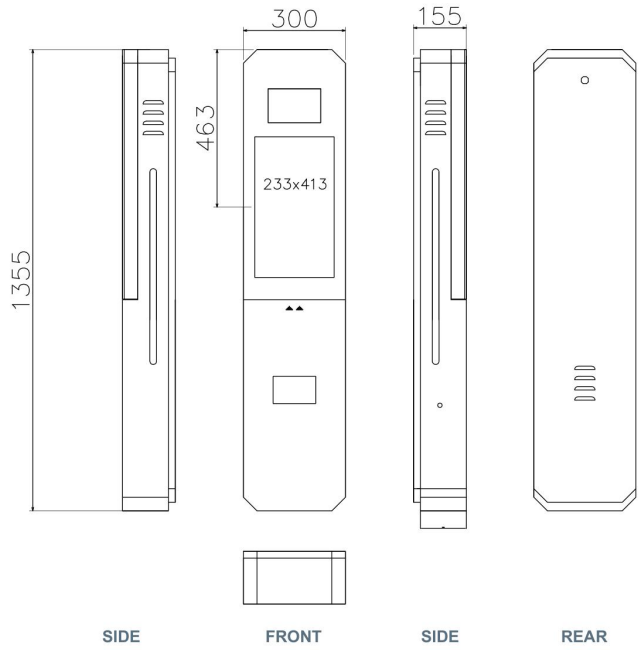
01 Identify	02 Evaluate	03 Inform	04 Release
Read the vehicle plate	Apply access or fee rules	Present driver guidance	Issue the barrier command

Plate identification generates an access event. The configured platform applies permissions or charging rules, presents the available driver information and issues the barrier command. Separate loop or radar safety devices are selected for the lane.

Topology is a configuration concept. Network ports, control wiring, software integration and safety devices follow the confirmed project specification.

Dimensions and technical specifications

DIMENSIONS IN MILLIMETRES



Source geometry retained. Drawing not to scale. Verify production mounting details.

Cabinet reference 1355 H x 300 W x 155 D mm

Item	Specification
Model	LPR100Y
Display	18.5-inch outdoor HD display
Recognition rate	Day >=99.9%; night >=99.7%
Recognition time	<=200 ms average
Recognition distance	2 to 10 m; recommended 3.5 to 4 m
Vehicle speed	Up to 30 km/h
Camera	2 MP autofocus
Minimum illumination	0.1 lux
Communication	TCP/IP
Interfaces	2 relays; 2 auxiliary inputs; audio in/out; 2 RS-485 outputs; reset; Wiegand output
Power supply	220 VAC, 50 Hz
Listed power consumption	80 W
Operating temperature	-40 to +75 degrees C
Relative humidity	10% to 90%
Protection	Camera IP65; integrated terminal IP55
Recognition rate	Day >=99.9%; night >=99.7%
Product format	Integrated LPR parking terminal
Cabinet height	1355 mm
Cabinet width	300 mm
Main cabinet depth	155 mm
Dimensions reference	Supplied cabinet drawing; see dimension figure

LPR100Y drawing: 1355 x 300 x 155 mm; display opening 233 x 413 mm. Confirm production fixing positions before installation. Camera, power and environmental values follow the ordered configuration.

Installation planning

Allow a clear camera view and a readable driver interface. Provide a suitable foundation, protected cable routes and service access. Keep the cabinet and arm sweep clear of vehicle paths, and confirm all fixing details from the production drawing.

Application environments

Configure the parking workflow for staff, residents, visitors or public users. Each illustration places the terminal and D01 cabinet to the left of the travel lane.



Hospitals

Staff and visitor parking



Shopping centers

Customer parking access



Hotels

Guest and visitor access



Residential community

Resident and visitor lanes



Office building

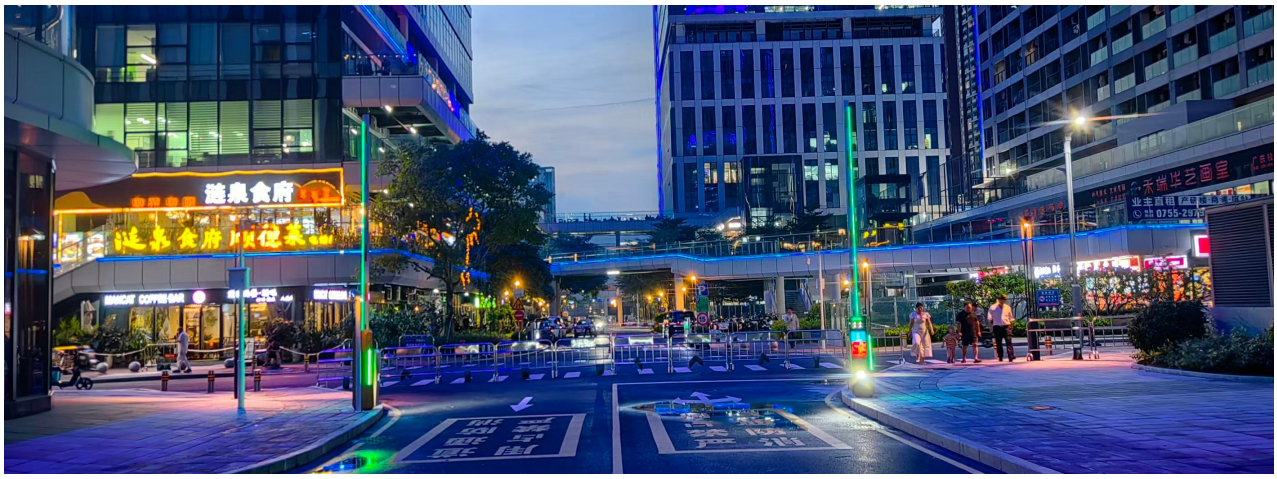
Employee and visitor parking



Station

Commuter and public parking

Application concepts. Equipment is installed on the left side of each vehicle lane.



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