SXK-LPR100G

License Plate Recognition Parking Terminal



CONCEPT INSTALLATION / LPR100G + D01 / LED or 18.5-inch LCD

THINKPARK LPR100G is an integrated license plate recognition terminal for parking entrances and exits. It combines a recognition camera, selectable LED or 18.5-inch LCD display, voice broadcast and fill light in an upright cabinet. The terminal works with parking software and a compatible barrier to identify vehicles, communicate parking information and manage access.LPR100G adopts a set of independent research and development of top-class license plate recognition algorithm, and combining with years of experience in industry application. No need to stop, and no need to swipe card. Quick access to the parking lot of the automatic license plate recognition mode, provides users with more intelligent, more convenient, more perfect experience.

It is convenient for the installation of the engineering business and get rid of the large ticket box, which is widely used in parking lot management.

Product highlights

Integrated plate recognition | LED or 18.5-inch LCD | Parking platform integration

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

Functions and operating experience



LPR100G

+ D01 barrier gate

Left-side lane installation

Rear-mounted straight arm

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

Choose an LED interface or an 18.5-inch LCD configuration for the information density your lane requires.

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. LPR100G software also supports financial statement export.

06 Networked lane management

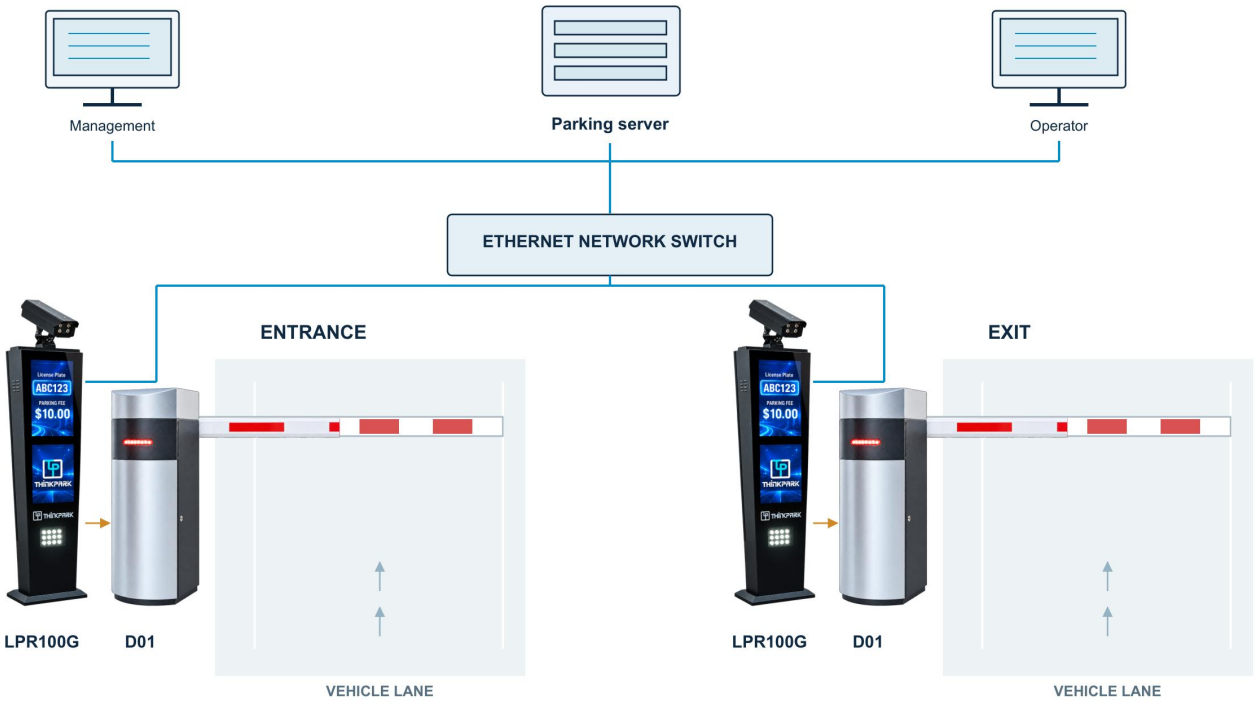
Connect entrance and exit equipment through the selected network architecture. Link recognized vehicles, operator workstations and barrier control in one parking workflow.

07 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 LPR100G 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**

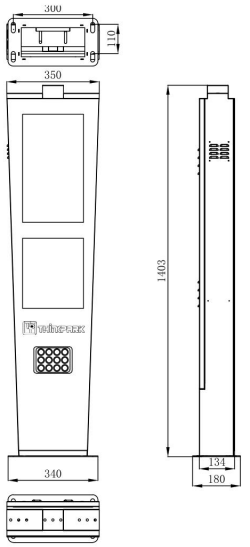
01 Identify	02 Evaluate	03 Inform	04 Release
Read the vehicle plate	Apply access or fee rules	Present driver guidance	Issue the barrier command

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.

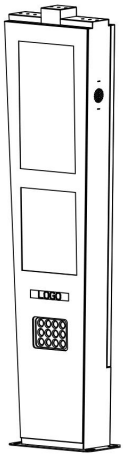
Topology is a configuration concept. Network ports, control wiring, software integration and safety devices follow the confirmed project specification.

Dimensions and technical specifications

DIMENSIONS IN MILLIMETRES



FRONT AND SIDE VIEWS



CABINET DETAIL

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

Cabinet reference 1403 H x 350 W x 180 D mm

Item	Specification
Display	LED or 18.5-inch LCD
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
Listed weight	25 kg
Package dimensions	383 x 217 x 1550 mm

1403 mm is the cabinet drawing height and excludes the external camera. Base width 340 mm; body depth 134 mm. Recognition and environmental values follow the supplied G datasheet and require confirmation for the ordered display configuration.

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



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