Video Intercom Parking Terminal

SXK-PT02

A freestanding call terminal for parking entrances, exits and managed vehicle lanes. Drivers press one button to speak with the management center, while the integrated camera lets the operator view the scene and provide assistance or authorize a gate command.



Integrated camera, speaker and call button in a freestanding steel column

Camera	Power supply	Communications	Gate control
2 MP CMOS	12V DC	SIP 2.0 and ONVIF	Open and close relays

Product highlights

Visual assistance at the lane. The camera and illumination module help the operator identify the situation while speaking with the driver.

Clear voice communication. An omnidirectional microphone, 5W speaker, noise reduction, echo cancellation and feedback suppression support conversation in busy parking environments.

Parking system integration. Connect the terminal to a compatible intercom platform, video system and barrier controller for remote assistance and gate operation.

Technical specifications

Core communication, media and electrical data for PT02. Specify the networking configuration and confirm platform interoperability as part of the parking system design.

Parameter	Specification
Model	SXK-PT02
Product type	Freestanding video intercom terminal for parking lanes
Processor	Embedded system on chip processor
Operating system	Embedded Linux
Camera sensor	2 megapixel CMOS
Camera assistance	Wide angle camera with illumination module
Video compression	H.264 at 25 frames per second
Audio input	Built-in high sensitivity omnidirectional microphone
Audio output	Built-in 5W speaker
Audio processing	Noise reduction, echo cancellation and feedback suppression
Audio codec	G.711
Call and video integration	SIP 2.0 and ONVIF
Network interface	10/100 Mbps autosensing Ethernet
Network configurations	Wired Ethernet, Wi-Fi and 4G; specify the required configuration
Gate relay interfaces	One opening relay path and one closing relay path
Input interfaces	3 input channels for sensor / I/O integration
Operating supply	12V DC
Power consumption	≤10W
Operating temperature	-30 to +75 °C

DRIVER ASSISTANCE WORKFLOW

01

PRESS CALL

Driver requests assistance

02

SPEAK AND VIEW

Operator sees the driver

03

ASSIST REMOTELY

Guide driver or control gate

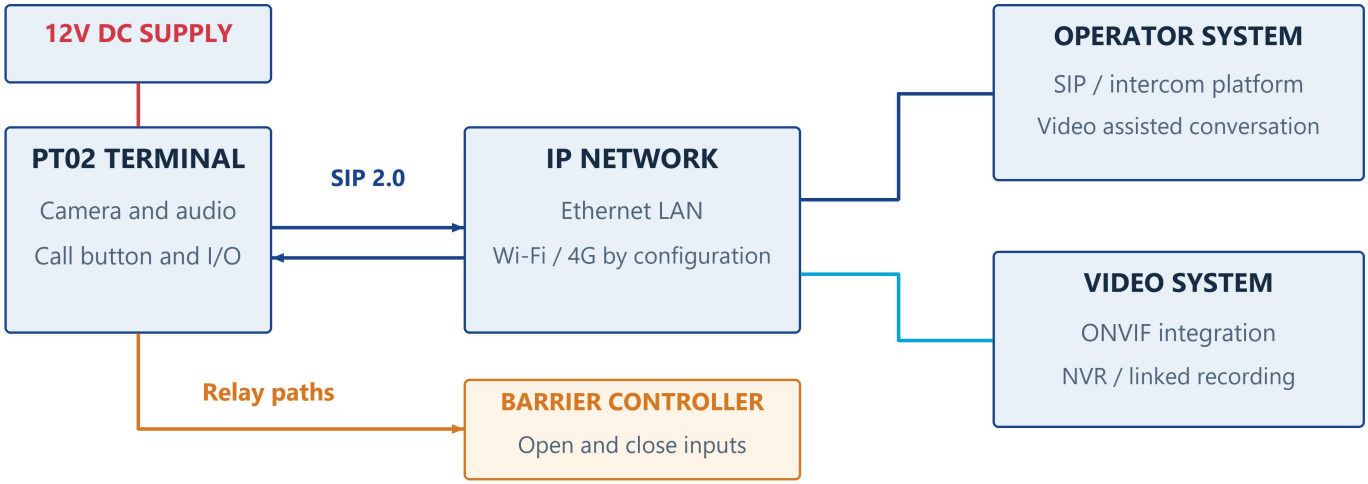
Calls, live video, gate commands and recording follow the configured platform and operator permissions.

Call handling, recording, group broadcast and linked actions are provided through the selected platform and network. Configure operator permissions and test the complete call and gate control workflow before operation.

System integration and interfaces

Use the terminal as the lane communication endpoint within an IP intercom and parking system. The operator platform provides call handling, live video and the configured remote assistance functions.

SYSTEM CONNECTIONS



Functional architecture only. Platform services, recording and wireless access depend on the selected system.

Interface	Function	Integration requirement
12V DC power	Terminal supply	Use a suitable regulated supply and match polarity to the unit markings.
Ethernet network	IP communication	Connect to the site network; configure the terminal and platform addressing.
Opening relay path	Gate opening command	Connect to the compatible barrier controller opening interface.
Closing relay path	Gate closing command	Connect to the compatible barrier controller closing interface.
3 input channels	Sensor / I/O events	Configure the assigned action for the connected loop or radar detection system.

Platform functions

SIP calling and ONVIF linkage. Integrate voice calls and camera streams with compatible platforms. Validate registration, media transport, video display and gate commands with the selected system.

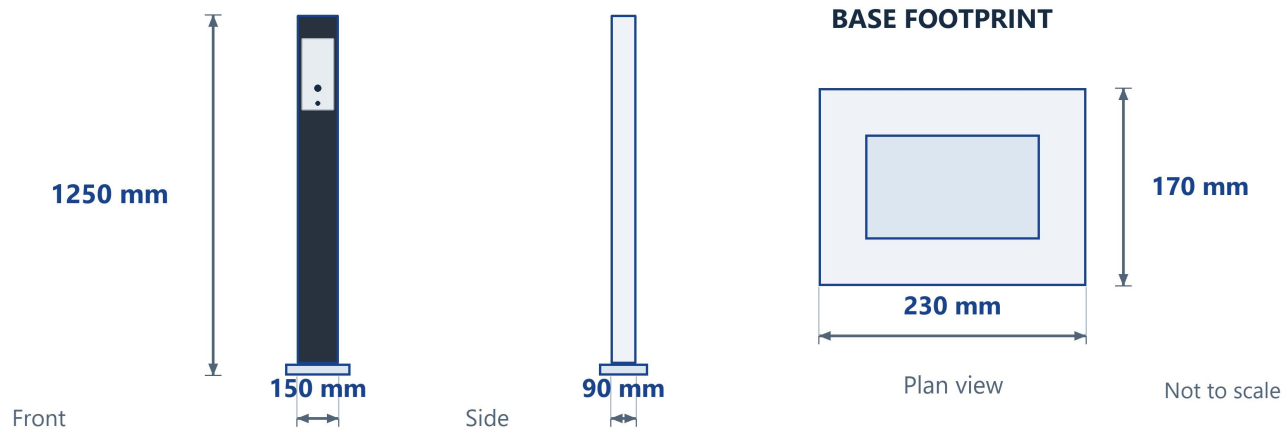
Recording and event review. Configure linked recording through the video or management platform where supported. Select the recording system and retention policy to meet site requirements.

Broadcast and multiple lanes. The supporting platform can group terminals for simultaneous announcements or zone based communication across multiple entrances and exits.

Dimensions and installation

The freestanding column provides a fixed driver assistance point at the lane. Position it where the call button and camera can serve the intended vehicle window height without obstructing vehicle movement.

DIMENSION REFERENCES



Parameter	Specification
Overall dimensions	1250 × 150 × 90 mm; height × width × depth
Base footprint	230 × 170 mm
Body material	Galvanized steel sheet
Front panel	Brushed aluminum alloy
Installation form	Freestanding column with fixing base

Installation and commissioning

01 Prepare the position. Allow space for the vehicle approach and door opening. Provide a stable mounting surface and plan power and network cable routes before fixing the column.

02 Connect the system. Check the delivered terminal markings, connect the 12V DC supply and network, and link the gate control paths and required inputs to their compatible controller interfaces.

03 Validate the complete service. Test calls, camera framing, illumination, microphone and speaker levels, authorized opening and closing commands, recording linkage and any configured input triggered actions.

Configuration information for ordering

Specify the network method, intercom platform or SIP system, video management integration, barrier controller and required input actions. Confirm the power supply and installation accessories needed for the project.

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Specifications are subject to change without notice. Please confirm final configuration and certifications with our sales team before ordering.