

IZLPI-HAND Technical Datasheet


Handheld LPI System



The IZLPI-HAND handheld device captures license plate images, taken according to a set route through large parking facilities. The images are uploaded to the cloud for plate recognition and creation of a parked car inventory. These capabilities are particularly useful for:

- Parking lots which are difficult to drive through with a roving mobile LPI vehicle
- Vehicles which are too far away from mobile LPI cameras
- Vehicles with only a front or rear plate which mobile LPI cameras cannot read
- Plates that cannot be read by mobile LPI cameras

Key Features and Benefits

- ✓ Operator only takes pictures of each plate without entering plate numbers - for faster, efficient processing and higher accuracy
- ✓ RoadView video analytics for in-depth vehicle analysis
- ✓ 99% of plates are processed automatically - without manual review
- ✓  Integrated with IZCloud
- ✓ 10.1", 13 MP display
- ✓ 7,600 mAh battery
- ✓ Rugged MIL-STD-810 tested for harsh environments
- ✓ IP68

Software Features

Route Management

- ✓ **Route Planning** - Via IZCloud interface; maps inventory routes for efficient coverage of parking facilities.
- ✓ **Dynamic Route Adjustment** - Allows real-time adjustments to routes based on changing conditions or priorities.
- ✓ **Historical Route Data** - Stores previous route data to optimize future inventory processes.

Image Capture

- ✓ **Snapshot Feature** - Users take a snapshot (still image) of the vehicle plate using the device's camera.
- ✓ **Automatic Upload** - Captured images are automatically uploaded to IZCloud without the need for manual input.

IZCloud Integration

- ✓ **AI Processing** - Images are processed by AI in the cloud to recognize and record license plate numbers.
- ✓ **Error Detection** - The AI system detects and reports possible data entry errors, prompting manual review if necessary.
- ✓ **Cloud Storage** - Secure storage of all captured images and processed data in IZCloud.

User Interface and Accessibility

- ✓ **IZCloud Web Interface for Review** - Manual review and correction of license plate data can be conducted via a user-friendly web interface.
- ✓ **Menu-Driven Interface** - Easy-to-navigate menu system for selecting parking facilities, levels and areas.
- ✓ **User Customization** - Programmable options for adding, changing, or deleting parking facilities and levels, protected by password access.

Specifications

Item		Specification
Processor	CPU	Qualcomm SM7325
	Processor Speed, Type	2.4 Ghz/1.8 Ghz, Octa-core
Battery	Capacity	7,600 mAh
	Runtime	8 hours (approx.)
	Charging Interface	Type C USB 3.2 / Fast Charging
Cameras	Front Camera Resolution	8 MP
	Rear Camera Resolution	13 MP
	Main Camera Focus	Auto Focus
Display	Resolution	1920 x 1200
	Size	10.1"
	Technology	WUXGA
	Type	Touch
	Brightness	550 nit
Connectivity	Wireless	5G, data plan not included
	Wi-Fi	Wi-Fi 6 Supported, Wi-Fi Direct
Interfaces	Pogo	7-pin (Charging + Data)
	Physical Buttons	3 (On Home Screen) + 1 Programmable Key
Environmental	Dust and Water-Resistant (IP68)	Up to 5 ft of water for up to 30 minutes
	Ruggedness	MIL-STD-810H; Anti-shock; Drop from 1.2 m with cover
Physical	Dimensions (W x H x D)	9.6" x 6.7" x 0.4" (242.9 x 170.2 x 10.2 mm)
	Weight	1.5 lb (674 g) (device) / 1.8 lb (824 g) (with case)
	Color	Black
Storage		6 GB RAM, 128 GB Storage

Item	Specification
Operating System	Android 14
Accessories Included	S Pen, IP68 rated

Ordering Information

Part Number	Description
IZLPI-HAND	Handheld LPI System
IZCloud-PARK-1LPI	IZCloud Parking Management License Plate Inventory (LPI) System License, provided as Software as a Service (SaaS)

Contact Us

Inex Technologies, LLC
155 Willowbrook Blvd., Suite 130
Wayne, NJ 07470, USA
+1-865-671-1400
www.inextechnologies.com
Sales@inextechnologies.com
Support@inextechnologies.com

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