



An essential intelligent traffic detection tool









LD Mobile Station is a portable unit of roadside sensing workstation to detect real-time traffic objects with LiangDao self-developed perception algorithms and various post-processing software. The station can be used for data acquisition, roadside sensing, ground truth testing & validation, digital-twin simulation, APA testing, teaching facility and other applications. It can be flexibly deployed at urban intersections, straight roads, testing field, highways, tunnels, railways, ports and other scenarios.

The hardware part of the mobile station can be flexibly equipped with multiple sensors, to achieve 360° horizontal FOV and 90° vertical FOV coverage. It is supplied by independent power and communication network. Due to the electric lifting design, the station can be easily operated by one single person to meet multiple height application requirements.

## Key Features

- Plug-and-play supported, visualization operation to support highly effective data acquisition
- Highly accurate perception and positioning, precise capture of small objects
- Supplied by independent power and communication network, electric lift design
- 360° horizontal FOV and 90° vertical FOV coverage, sensor fusion with point cloud & vision
- Flexibly equipped without any installation
- High adaptability and utilization

## Applications

-  Ground truth acquisition
-  Digital-twin simulation
-  Perception testing
-  Traffic flow detection
-  Teaching facility
-  APA testing

## Specification

Performance	
LiDAR Horizontal FOV	360°
LiDAR Vertical FOV	0°~90°
Camera Horizontal FOV	360°
Camera Vertical FOV	55.9°
Detection Range	Radius 50~150m

Operating Environment	
Operating Temperature	-20°C~+60°C
Protection Class	IP67

Mechanical	
Size	1105*696*2300mm
Lifting Range	2.3~5.3m
Operating Voltage (lifter)	220V
Power Consumption	Electric lifter 380W; others 100W
Weight	225kg
Wind Resistance	5 level

Interface and others	
Interface	Wired/Wireless Network
Wireless Standard	5G



Wechat QR Code

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Product specifications are for reference only. If there is any change, please refer to the latest official information.