XGRIDS

Lixel L2 Pro

The Lixel L2 Pro is a scanning device that combines multi-SLAM (LiDAR and Visual) and IMU with AI for real-time modelling and scanning. With 3 cm vertical and horizontal accuracy and 2 cm relative accuracy, it delivers high-quality instant point cloud data, eliminating the need for post-processing.

Applications:

- Topographic mapping
- Agricultural and forestry surveys
- Smart city development
- Engineering surveys

Key Software Features

- One-Click Processing: LixelStudio Version 3.0 simplifies project processing, making it efficient and hassle-free.
- Multi-Format Support: Capable of handling data from various formats, ensuring flexibility for diverse needs.
- SLAM + 3DG Integration: The first software to integrate SLAM with 3D GIS, ideal for large-scale, complex scenarios, including low-light or feature-sparse areas.
- Immersive and Multi-Device Experience: Delivers centimetre-level accuracy for measurement and analysis, enabling interaction via multiple input devices.

With this software, users can handle the entire workflow—from data collection to analysis—effortlessly, with high precision, and without requiring additional external cameras.

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PRODUCT SPECIFICATIONS

Device Performance		Scan Performance			
Power Input	14.4v	Operating Range	0.5m - 120m		
Power Cosumption	<30w	Laser Class	Class1/905nm		
Weight	1.7kg	Relative Accuracy	1cm		
Data Interface	USB3.1 Gen2	Relativet Accuracy	2cm		
Storage Capacity	1T SSD	Absolute Accuracy	3cm		
Connection Mode	WiFi/Bluetooth	Repeat Accuracy	2cm		
Operating Temperature	-20C° - 50C°	Horizontal Accuracy	0.015°		
IP Rating	IP54	Vertical Accuracy	0.03°		
Product Shell	Industrial-grade Aluminum	Sensor FOV	360° - 270°		
Size	180mm x 130mm x 400mm	Scan Speed	320,000 points		
Operating Time	1.5h	LixelUpSample	Supported		
Battery Capacity	46.8wh	Camera for Panoramic Images		Camera for Visual Images	
Charging Power Rating	34w	Resolution	2x48MP	Resolution	1x1mp
Visual-Aided Positioning	Supported	Shutter	Rolling Shutter	Shutter	Global Shutter
APP WiFi Distance	20m				
RTK Module	Supported	FOV	190°x190°	FOV	190°x119°