XGRIDS
Lixel
L2-32/300

Lixel L2

300 Meters, More Refined

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300 Meters, More Refined

Lixel L2 is a new generation handheld 3D real-time reconstruction device by XGRIDS. Building upon the foundation of L1, it has been upgraded to achieve a 300-meter scan range with ultra-high precision of ±1.2cm. It can instantly output color point clouds without external devices, generating data that is thinner, purer, and more uniform. This brings about a transformation in the efficiency and quality of 3D modeling and reality capture.
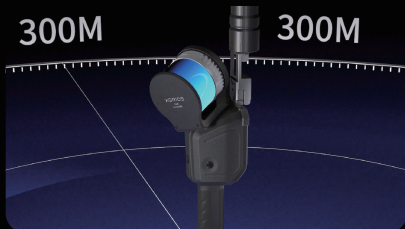
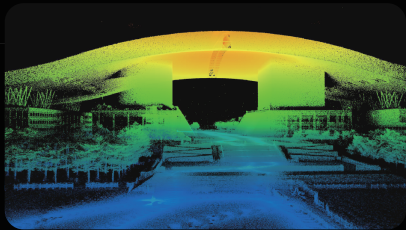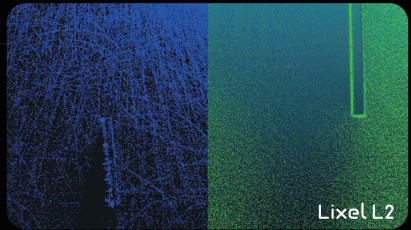| 300m Scan	640,000p/s	±1.2cm[1] Accuracy	Capable in Degraded Scenes	Color Point Clouds Output

300 meters range, providing a broader scanning perspective

Generating color point clouds directly without external devices

Multi-SLAM algorithm ensures excellent performance in degraded environments

Upgraded quality of point clouds

Point cloud thickness ≤1cm

[1]The accuracy is the mean square error measured in a 15,000 square meter indoor space.

Application Scenarios

Land Survey

Engineering Survey

Urban Renewal

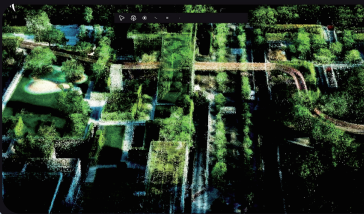Minning Survey

Agriculture & Forestry

Emergency Survey

Software

PC

Lixel Studio

An all-in-one 3D post-processing software that offers a range of features, including point cloud viewing, editing, model generation, and post-processing.
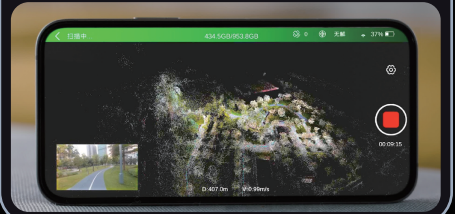

APP

LixelGO

Mobile-controlled operational workflow, real-time preview of scan results, and one-screen monitoring of device status.
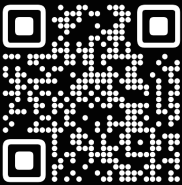
Specification

Working Range	0.5m~300m		**Handheld Weight**	<1.6kg
Laser Class	Class 1 / 905nm		**Visual-Aided Positioning**	Supported
Laser FOV	360°×270°		**Real-Time Colored Point Cloud**	Supported
Processing Mode	Real-time/ Post-processing		**5G Real-Time Transmission**	Supported
Scan Speed	640,000 points/s		**RTK Fusion**	Supported
Operating Temperature	-20°~50°		**Resume Scanning from Breakpoint**	Supported
Power Consumption	<30W		**Point Cloud Format**	.Las
Storage Capacity	1TB		**Relative Accuracy**	±1.2cm
Operating Time	1.5h		**Absolute Accuracy**	≤3cm
Protection Level	IP54		**Repeat Accuracy**	≤2cm
Horizontal Accuracy	≤0.015°		**Battery Capacity**	46.8wh
Number of Cameras	3		**RTK Frequency**	BDS: B1I、B2I、B3I GPS: L1C/A、L2P (Y) /L2C、L5 GLONASS: L1、L2 Galileo: E1、E5a、E5b
Power Supply	Fast-lock battery/ External power			

Contact Us
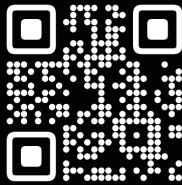
Sales and Partners: sales@xgrids.com
Brand and Business Consulting: enterprise@xgrids.com

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