Lixel K1
Compact Yet Powerful

Lixel K1

Lixel K1 is XGRIDS' compact handheld scanner. Integrating 36MP panorama cameras and 360 ° LiDARs within its body, it generates cm-level colored models for professionals and 3d hobbyists, offering convenient scanning and reconstruction experience.

1kg
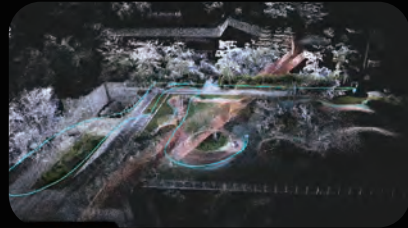
color point cloud in real-time

360° scanning

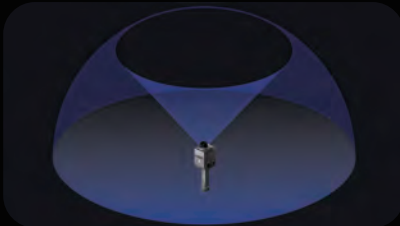**convenient operation**

Compact and Lightweight

With a 1kg (with battery) aluminum alloy body, K1 highly Integrated panoramic vision and LiDAR.

Real-Time Color Point Cloud, Delicate Presentation

36 million pixels imaging provides exquisite real-time true-color point clouds.

Panoramic Capture, No Omissions

360 ° *360 ° true panoramic vision, 360 ° laser horizontal scanning field.

Convenient Operation

Its low learning cost makes professional 3D data collection and modeling extremely simple.

Application Scenarios

Scan to Bim

Digital Twins

Filming & Gaming

Culture & Tourism

Software

PC

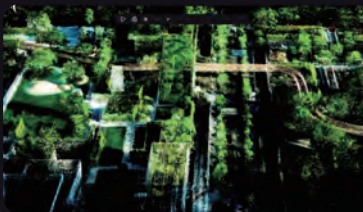### Lixel Studio

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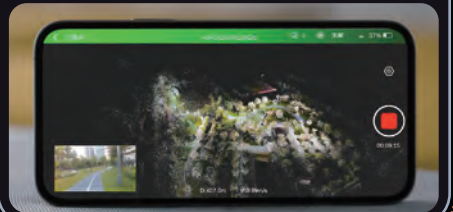

APP

LixelGO

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

Specification

Device Performance

Power input	14.4V
Power cosumption	<20W
Weight	1kg
Data interface	USB3.1 Gen2
Storage Capacity	TF card 256G (Replaceble)
Connection mode	Wifi/Bluetooth
Operating temperature	-20℃~50℃
Protection level	IP54
Product shell	Navigational Aluminum
Power supply	Fast-lock battery/external power
Operating Time	1.5h
Battery capacity	28.8wh
Number of Cameras	4
Visual-Aided Positioning	Supported
APP WiFi distance	20m
RTK module	Supported

Scan Performance

Laser lines	40
Laser Class	Class1 / 905nm
Relative Accuracy	1.2cm
Absolute Accuracy	3cm
Repeat Accuracy	2cm
Horizontal Accuracy	0.015°
Working Range	0.1m~40m@10%, 70m@80%
LiDar FOV	360°*-7~+52°
Scan mode	Mobile
Scan speed	200,000 points/s
Resume Scanning from Breakpoint	Supported

Visual Module

Camera FOV	Color panorama HDV 360°*360°
Camera resolution	5.6 million

Data & Storage

Calculating mode	Rea-time calculating/ Mixed calculating
Calculating software	Lixel Studio post-processing software for Win
Point Cloud Format	.Las
Color point cloud	Supported