

KOLIDA

K100

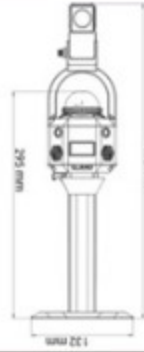
Capture the reality effortlessly



Illustration

All-in-one

Laser scanner + IMU + camera + master control + power supply all integrated into one device.



Laser Sensor

Measuring range up to 70m, scan rate 200,000 pts/sec max., FOV 360° x 59°, anti-interference design.



360° Pano Camera

Dual 1-inch CMOS sensor, 6K video resolution, 21MP image resolution.

Handgrip Battery

Magazine feeding and lever knob mechanism to well tight between handgrip and device.



Storage & Download

512GB SSD built in, with raw data transfer rate 125 MB/s max.



Main Control & GCP Record Buttons

Physical buttons available as well as access via APP interface, convenient in use.

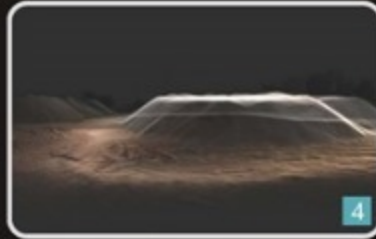
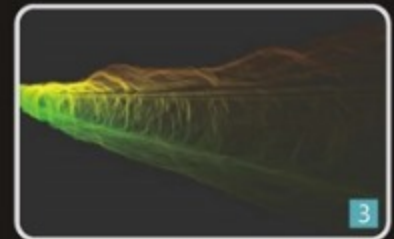
LED Screen

Device status and commands to display, real-time and interactive.



Applications

- 1 Building Interior
- 2 Architecture Facade
- 3 Tunnel Engineering
- 4 Stockpile Calculation
- 5 Landscape Reconstruction
- 6 Emergency Response



Specification

Model	K100	Dimension	180x132x312 mm (w/o camera); 180x132x386 mm (with camera)
Laser Wavelength	905 nm	Weight	1.29kg (Including handheld grip battery and camera)
Laser Safety Class	CLASS 1 (IEC 60825-1:2014), eye-safe	Power Supply	handheld grip with inbuilt battery, cable-free connection
FOV	horizontal 360°, vertical -7°~52°	Endurance	2~2.5 hours
Measuring Range	0.1~70 m (70 m @80% reflectivity; 40 m @10% reflectivity)	Input Voltage	DC 9~27 V
Measurement Rate	200,000 pts/sec	LED Screen	available
Scanning Rate	10 Hz	Relative Accuracy	best up to 1 cm
IMU Module	built in, with push frequency 200 Hz (when enabled)	Realtime Point Cloud	available
Anti-interference	available	Realtime Trajectory	available
Temperature	-20°C~65°C (operating), -40°C~70°C (storage)	Pano Camera	external, Pano360 II, 2-lens fisheye 360°, 21 MP in total
IP Protection	IP 67	Software	K-SLAM (smartphone APP) KOLIDA SLAM OFFICE (PC)