GPS GLOBAL SOLUTIONS®

FJD Trion™ P1

LiDAR SCANNER

SCAN ON THE GO, PRECISION IN YOUR HANDS

Introducing FJD Trion P1, a compact and portable LiDAR scanner equipped with a high resolution camera. Designed with efficiency and convenience in mind, P1 delivers data accuracy up to 2cm. By reducing workload and increasing productivity, it revolutionizes the scanning experience for users. Experience the perfect balance of portability and precision with the P1 scanner.

Lightweight Portability

Compact Size

8-Hour Battery Life
(60W Fast Charging)

Camera Quick-Detach
(V-Lock)

Up to 2cm* Relative Accuracy

40m Scan Range

Real-Time Computation

Seamless Software-Hardware Unity

APPLICATION SCENARIOS

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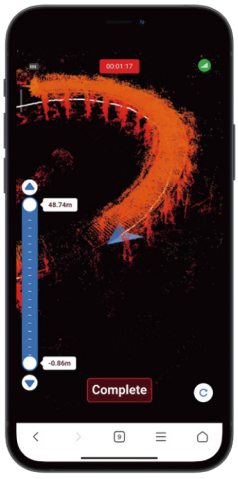
YOUR POINT CLOUD STUDIO



FJD TRION SCAN

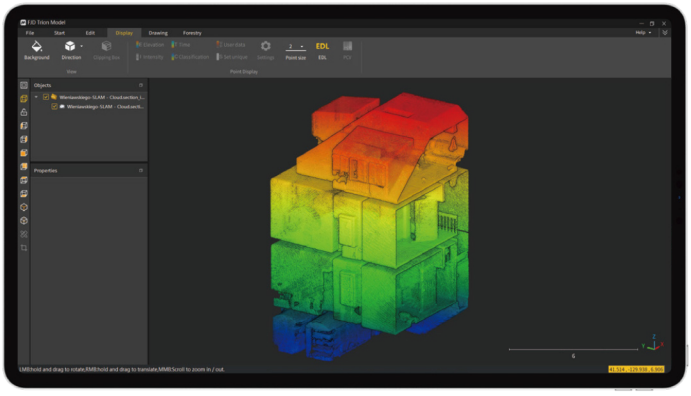
Real-Time Visualization of 3D Point Clouds Software

- Displays the scanned project files, storage capacity, and battery life
- Visualizes the point cloud in real-time
- Tracks real-time path
- Manages and downloads the project files

FJD TRION MODEL

Point Cloud Post-Process Software

- Denoises and colorizes point clouds
- Stitches point clouds, maps shadow, transforms coordinates, and does automatic plane fitting
- Classifies point clouds, produces 2D drawings, and builds 3D models



QUICK SPECS

Weight	1.05 kg (total);
	0.9 kg (excluding camera & baseplate)
Size	160 * 120 * 270 mm (excluding camera)
Relative Accuracy	0.8-2 cm*
Scanning Range	40m@10% reflectivity
Laser Wavelength	905 nm
Laser Rating	Eye-safety class I
Angle of View	360°x59°
Number of Laser Heads	1
Scanning Point Frequency	200,000 points/second
Point Cloud Processing	Real-time processing
Point Cloud Display	Web side preview point cloud

Power Supply Form	Battery
Power Supply	16.8 V, 5 A
Power Supply Interface	Type-C
Data Transmission	Type-C、USB-3.0
Power Consumption	12 W
Battery Life	8H (single battery, room temperature)
Wi-Fi	Support 2.4 Ghz
Memory	512 GB
Temperature Range	-10℃~50℃
Camera Accessories Pixels	12 million
Camera Field of View (FOV)	180 degrees

*Measured in experimental environment