



A NEW WAY TO SCAN THE WORLD



FJD Trion™ S1

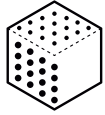
3D LiDAR SCANNER

A NEW WAY TO SCAN THE WORLD

A new way to “see” the world around you.

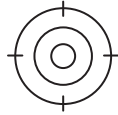
With 320,000 scan points per second, S1 catches high-quality scans hands down.

With industry-leading SLAM algorithm, S1 captures, processes, and displays accurate point clouds on the mobile terminal in real time.



320,000

Points per second



0.8-2 cm

Accuracy



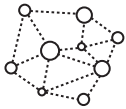
16

Sensors



120 m

Range



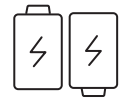
Real-Time Point
Cloud



Indoor & Outdoor
Scanning



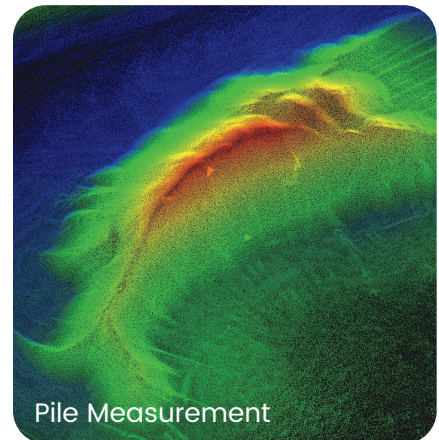
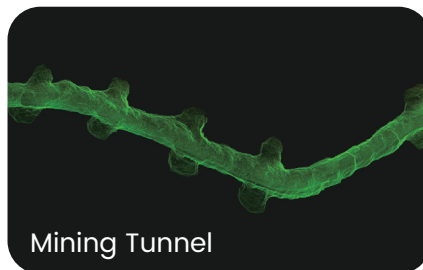
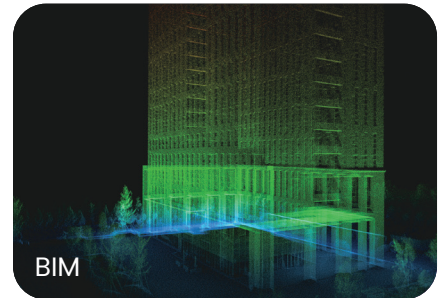
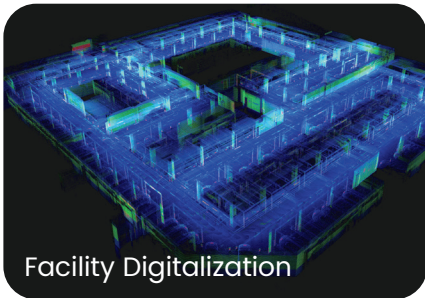
Lightweight
and More Portable



Dual Battery
Hot-Swappable

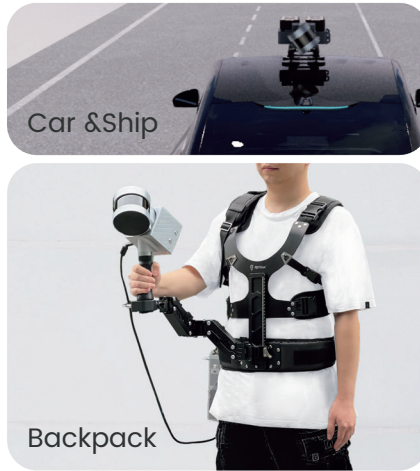
APPLICATION SCENARIOS

Indoor, outdoor and even underground without a GNSS receiver.



AS VERSATILE AS IT IS PORTABLE

Lightweight design for easy portability.
Real-time point cloud display and SLAM processing.



YOUR POINT CLOUD STUDIO



TRION SCAN

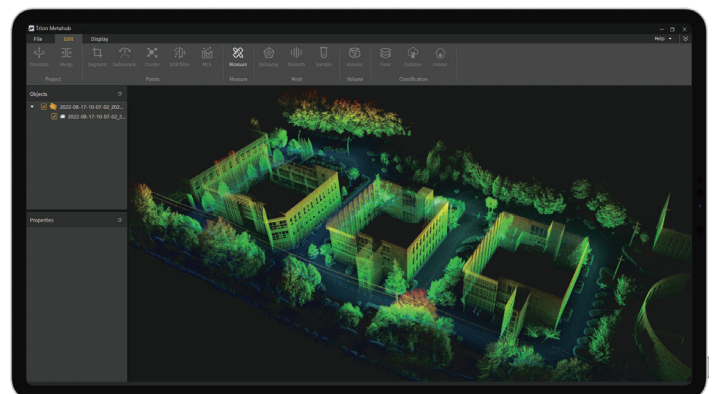
Real-Time Visualization of 3D Point Clouds Software

- 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

Range	120 m	Sensors	16
FOV	360°×270°	Laser Class	Class 1 / λ 905 nm
Points per Second	320,000	Accuracy	0.8 - 2 cm
Display	Real-time preview on mobile terminal	Processing	Real-time
Datalogger Weight (Incl. single battery)	2.2 kg	Carrier	Backpack or shoulder strap
Battery Life (Dual battery)	4 hours	Scanner Weight	1.8 kg
Ingress Protection	IP54	Storage Capacity	512 GB



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[FJDynamics.com](https://www.fjdynamics.com) 



CREATE FOR A BETTER WORLD

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