



A NEW WAY TO SCAN THE WORLD



FJD Trion™ S1

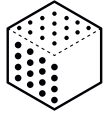
3D LiDAR SCANNER

A NEW WAY TO SCAN THE WORLD

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

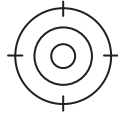
With 320,000 scan points per second, S1 catches high-quality scans hands down.

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



320,000

Points per Second



2 cm*

Relative Accuracy



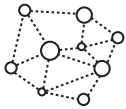
16

Sensors



120 m

Range



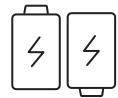
Real-Time Point
Cloud



Indoor & Outdoor
Scanning



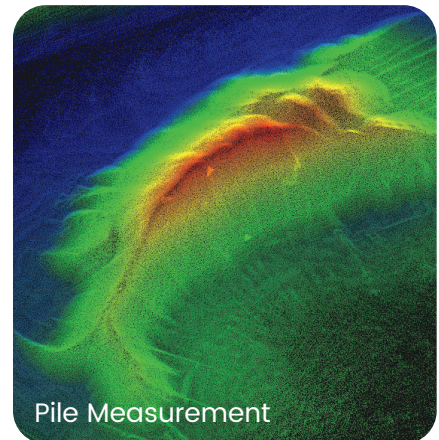
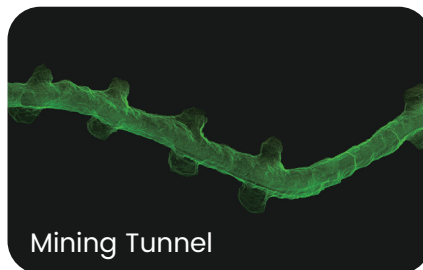
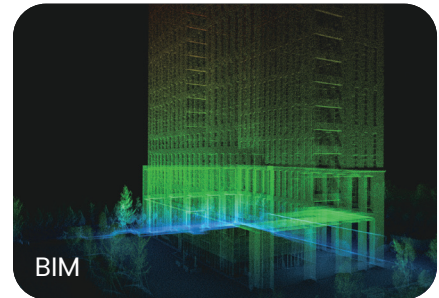
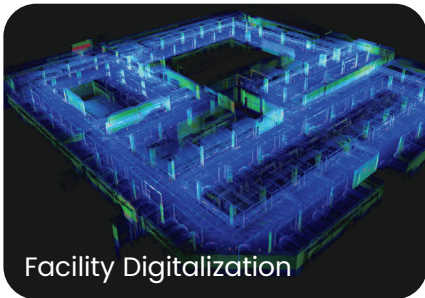
Lightweight
and More Portable



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



FJD TRION SCAN

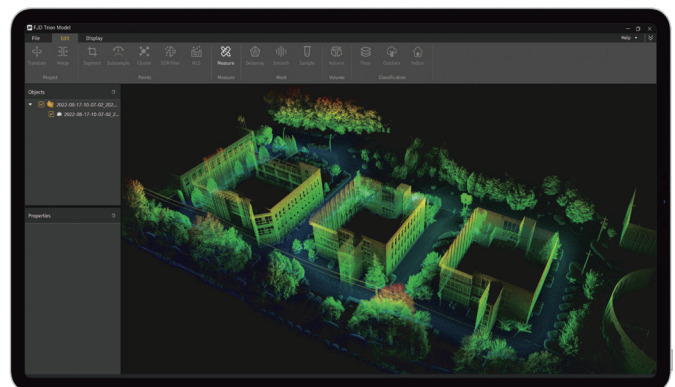
Real-Time Visualization of 3D Point Clouds Software

- 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

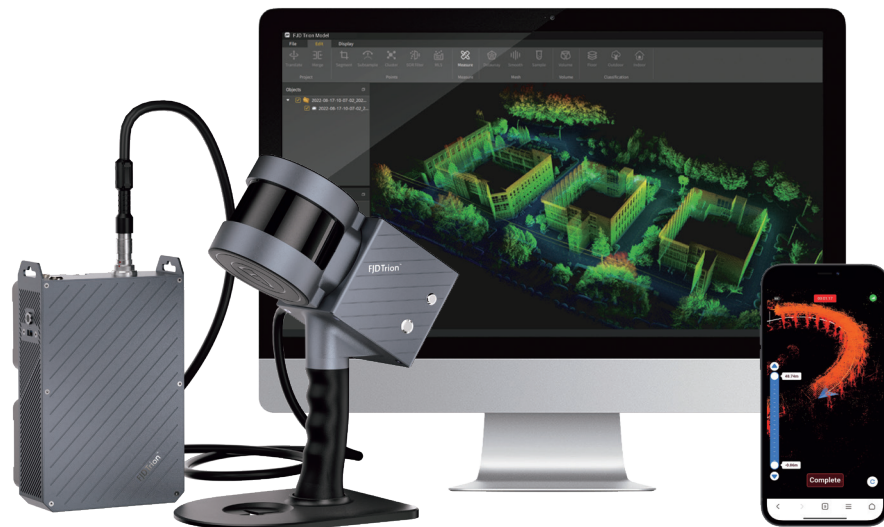
- Denoises and colorizes point clouds
- Stitches point clouds, maps shadow, transforms coordinates, and does automatic plane fitting
- Classifies point clouds, produces 2D drawings, and builds 3D models



QUICK SPECS

Range	120 m	Sensors	16
FOV	360°×270°	Laser Class	Class 1 / λ 905 nm
Points per Second	320,000	Relative Accuracy	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

*Measured in experimental environment



Free Quote: sales.global@fjdynamics.com
Address: 15 SCOTTS ROAD #03-12, Singapore

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



CREATE FOR A BETTER WORLD

Copyright © FJDynamics. All rights reserved.