A NEW WAY TO SCAN THE WORLD

FJD Trion™ S1

3D LiDAR Scanner

A NEW WAY TO SCAN THE WORLD

A new way to "look" at the world around you.
With 320,000 points per second, S1 catches high-quality scans hands down.
With industry-leading SLAM algorithm, S1 captures, processess, and displays accurate point clouds on the mobile terminal in real time.

320,000
Points Per Second

0.8-2cm
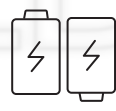Accuracy

16
Sensors

120M
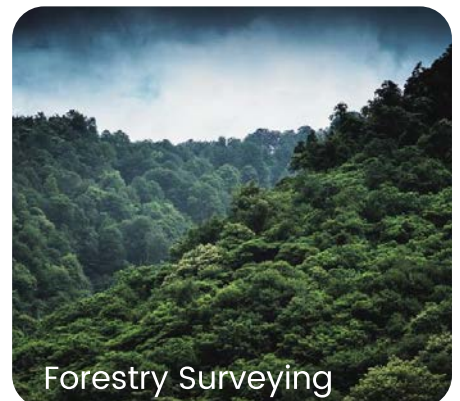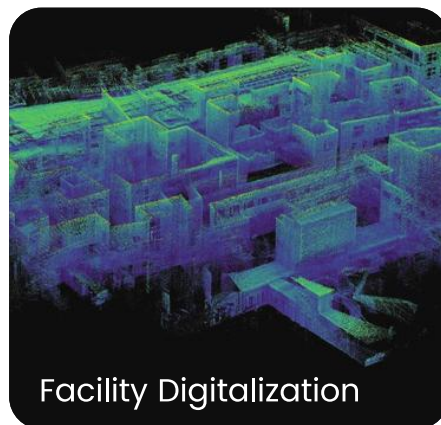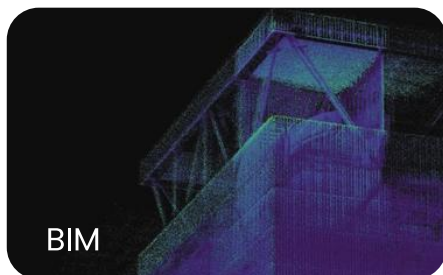Range

Real-Time
Point Cloud

Indoor & Outdoor
Scanning

Lightweight
and More Portable

Dual Battery
Hot-Swappable

APPLICATION SCENARIOS

Indoor, ourdoor, and even underground without a GNSS receiver.

BIM

Facility Digitalization

Heritage Conservation

Pile Measurement

Volume Measurement

Forestry Surveying

AS VERSATILE AS IT IS PORTABLE

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

Car & Ship

Drone

Backpack

Handheld

YOUR POINT CLOUD STUDIO

TRION SCAN
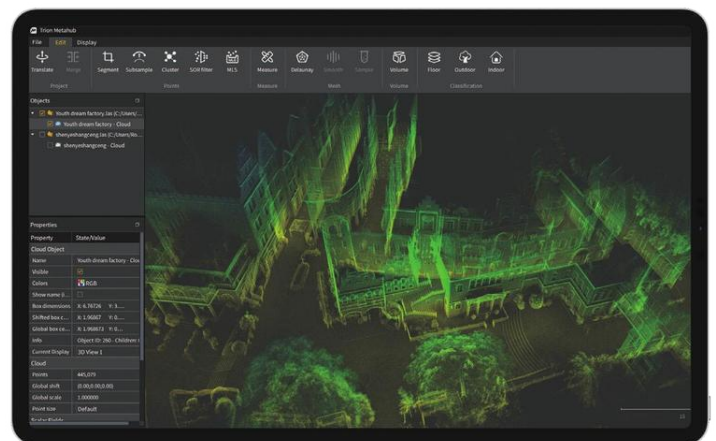
Real-time Visualization of 3D Point Cloud Software

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

TRION METAHUB

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*

*Coming soon

SPECS

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

Free Quote: sales.global@fjdynamics.com
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CREATE FOR A BETTER WORLD