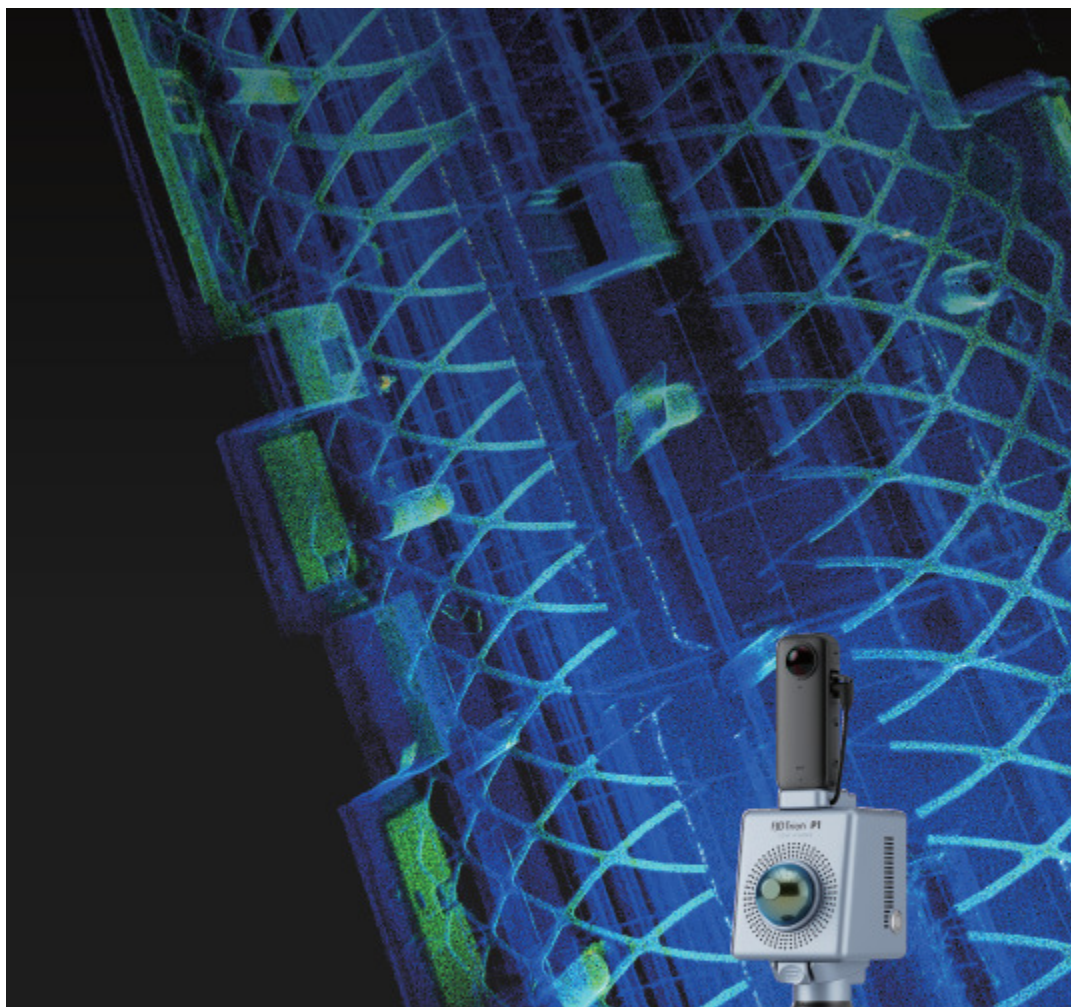


Skaner laserowy SLAM FJD P1 Trion



FJD Trion™ P1

LiDAR SCANNER





MAXNET
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NEW DIMENSIONS UNFOLD

Whether you are a seasoned pro or just 3D-curious, a walk around the site with the P1 lets you digitize your environment quickly and accurately.



Relative Accuracy
Up to 2 cm



Scanning Range
40 m @ 10% reflectivity
70 m @ 80% reflectivity



LiDAR FOV
360° x 59°



Points Per Second
200,000



Lightweight and Portable
1 kg / 2.2 lbs



Real-time Point Cloud
Visualize as you scan

EASY REALITY CAPTURE

Indoor, outdoor, underground, all day long

Powerful SLAM technology enables the P1 to work in direct sunlight or even at night, in locations that may be inaccessible with traditional methods.



Compact yet mighty

Weighing in at only 1 kg or slightly over 2 lbs, the P1 fits in a messenger bag and can work all day with easy battery swaps, recreating your environment in minutes.





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REBUILD WHAT YOU SEE

Advanced SLAM technology does not have to cost a fortune. No more complicated instrument calibration or lengthy workflows processing point cloud data. The plug-and-play design and accessible price point of the P1 empowers you to explore boundless creativity, streamline data processing, and digitize assets with ease.

Workflow



Capture

Walk, scan, and view point cloud data in real-time.



Analyze

Process point cloud data in las, pcd, pts, ply using Trion Model.
Scan to post-processing time ratio is about 3:1.



Deliver

Calculate distance, area, and volume. Create contours, floor plans, forest analyses, and 3D models like BIM.



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CONFIGURATIONS

Camera

Capture RGB videos with camera.

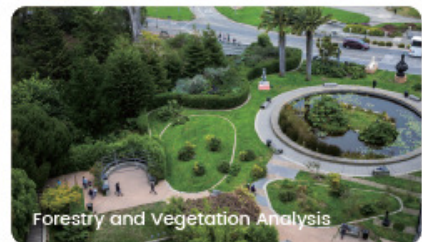


RTK

Generate georeferenced point cloud data.



APPLICATION SCENARIOS





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QUICK SPECS

| | | | |
|------------------------|--|----------------------------|--|
| Weight | 1 kg (excluding camera & baseplate) | Power Source | Rechargeable Grip Battery |
| Dimensions | 160 × 120 × 270 mm (excluding camera) | Power Supply | 10.8 V, 3 A |
| Relative Accuracy | Up to 2 cm* <small>*Tested in experimental conditions</small> | Power Supply Interface | Type-C |
| Scanning Range | 40 m @10% reflectivity 70 m @80% reflectivity | Data Transmission | USB-3.0 |
| Laser Wavelength | 905 nm | Power Consumption | 12 W (Scanner only) |
| Laser Rating | Eye-safety Class I | Battery Life | 2 h (Grip Battery, Room Temperature, Scanner only) |
| Field of View | 360° x 59° | Wi-Fi | 2.4, 5 GHz |
| Number of Laser Heads | 1 | Internal Memory | 512 GB |
| Point Rate | 200,000 points/second | Operating Temperature | -10°C ~ 45°C |
| Point Cloud Processing | Real-time processing | Camera Resolution | 5760 × 2880 @ 30 fps |
| Point Cloud Display | Real-time point cloud preview | Camera Field of View (FOV) | 180° |

Contact your local FJDynamics Authorized Distribution Partner for more information.