



# FJD Trion™ P1

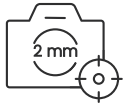
LiDAR SCANNER





# NEW DIMENSIONS UNFOLD

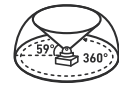
Whether you are a seasoned pro or just 3D-curious, a walk around the site with the P1 lets you digitize your environment quickly and accurately.



**Relative Accuracy**  
Up to 2 mm\*



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



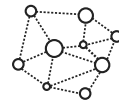
**LiDAR FOV**  
360° × 59°



**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.



# 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



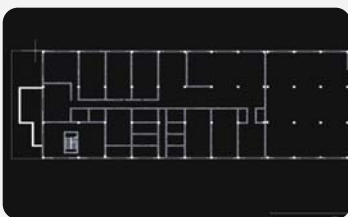
### Capture

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.

## CONFIGURATIONS

### Camera

Capture RGB videos with camera.



### RTK

Generate georeferenced point cloud data.



Free Quote: [sales@pro-scan-solutions.ro](mailto:sales@pro-scan-solutions.ro), +40754937138

# APPLICATION SCENARIOS



Property Management and Assessment



AEC



Public Safety



Media and Entertainment



Robotics



Forestry and Vegetation Analysis

## 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 mm* <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 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)	360°

**Contact your local FJDynamics Authorized Distribution Partner for more information.**



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