



FJDynamics

FJD Trion S2 LiDAR Scanner

Smaller Size, Larger Capability



- ✓ 1.2cm Accuracy
- ✓ 120m or 300m Scanning Range
- ✓ Real-time Colorising, Real-time Quality Monitoring

Multi-module Integration

Integrate camera, IMU, and RTK modules into a compact form of 1.8kg in weight, allowing you to carry it around for various surveying projects.

Multi-SLAM Algorithms for Accurate Output

Embed two 12MP cameras to generate 270° high-resolution images with advanced Visual-Inertial Odometry (VIO) and SLAM algorithms, delivering accurate results even in complex environments with fewer feature points.

Multi-scenario Adaptation

Offer adjustable density and range to work seamlessly with various carriers, such as drones, vehicles, extension poles, and robot dogs, making it super adaptable to various scenarios from ground to air.

SPECS

	S2	S2 PRO	S2 MAX
Range	120m	120m	300m
Channels	16	32	32
Speed	320,000pts/s	640,000pts/s	640,000pts/s
Camera Resolution	2*12MP	2*12MP	2*12MP
Weight	1.8kg	1.8kg	1.8kg
IP Rating	54	54	54
Storage	512GB(ITB expandable)	512GB(ITB expandable)	512GB(ITB expandable)
Battery Life	3h (with 1 set of 2 batteries)	3h (with 1 set of 2 batteries)	3h (with 1 set of 2 batteries)
Accuracy*	1.2cm	1.2cm	1.2cm

*Tested in experimental environment