



FJD Trion™

RTK Backpack for LiDAR Scanner

- ✓ Geo-referenced Point Cloud
- ✓ Loop Closure Independence
- ✓ 5 cm Absolute Accuracy



EFFICIENT GEO-REFERENCED POINT CLOUD CAPTURE

Delivering centimeter-level georeferenced point cloud data without control points.

LOOP CLOSURE INDEPENDENCE

Calibrated with FJD Trion Vlt RTK Rover, the FJD Trion S1 3D LiDAR scanner can work well without strict loop closure.

ROBUST ACCURACY

Reach an impressive 5 cm absolute accuracy even in featureless scenarios.

Weight (including S1 & Vlt)	8.2 kg	Satellite systems supported	
Dimensions	310 × 240 × 810 mm	GPS	L1C/A, L2P, L2C, L5, L1C
Scanner range	120 m @ 90% reflectivity	BDS-2	B1I, B2I, B3I, B1C, B2a, B2b
Scanner point rate	320,000/640,000 points per second	BDS-3	B1I, B3I, B1C, B2a, B2b
Scanner FOV	360° × 270°	GLONASS	G1, G2, G3
Absolute accuracy	5 cm	Galileo	E1, E5a, E5b, E6
Relative accuracy	Up to 2 cm	QZSS	E1C, L2, L5, L1C/A
RTK format	GGA ZDA	SBAS	L1C/A, L5*
RTK frequency	1-10 Hz	IRNSS	L5*
RTK channels	965	L-band*	*Upgrade firmware to support

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