

FJD Trion T1

Professional scanning on your terms.



Beyond handheld accuracy

Switch between efficient handheld scanning and static tripod capture. Add a tripod station wherever higher accuracy is required to achieve millimetre-level results within the same project.

Complete visual documentation

Four built-in cameras adapt to handheld and tripod modes, working with high-performance LiDAR to deliver detailed, true-to-scene colourised point clouds and 360° panoramas for more complete site capture.

Mobile-to-static versatility

Move between handheld, tripod, backpack, stabilising-vest, extension-pole, vehicle-mounted, and airborne setups to combine efficient mobile capture with targeted static precision in one workflow.



Specifications

Range	120 m
Channels	32
Point Rate	640,000 pts/s
FOV	360° x 270°
Accuracy	Mobile Scanning: up to 1cm; Stationary Scanning: 4mm @ 10m, 8mm @ 30m
Weight	1.75 kg
Battery life	3.4 h with 1 set of 2 batteries
Storage	512 GB (SSD, expandable to 1 TB)
Built-in Cameras	3 × 48 MP + 1 × 2 MP

Pick Your Fit



	C1	V4e Go	P2	X1	S2	T1
Scanning Range	6 m @ 90% Reflectivity	50 m @ 80% reflectivity	70 m @ 80% reflectivity	70 m @ 80% reflectivity	120–300 m @ 80% reflectivity	120 m @ 80% reflectivity
Point Rate	230.4k pts/s	154.6k pts/s	200k pts/s	384k pts/s	320k - 640k pts/s	640k pts/s
Accuracy	1 cm Post-Processed Relative Accuracy	1 cm Post-Processed Relative Accuracy	1 cm Post-Processed Relative Accuracy	≤1 cm Post-Processed Relative Accuracy	1 cm	Handheld: up to 1cm; Tripod: 4 mm @ 10 m; 8mm @ 30m
Camera	1280 × 1080	External phone camera required	Built-in: 2 × 48 MP + 1 × 2 MP Optional: external 360° camera	Front: 1280 × 1024 Panoramic: 2 × 48 MP	Built-in: 2 × 48 MP Optional: external 360° camera	Built-in: 3 × 48 MP + 1 × 2 MP
Weight (Main Unit)	950 g	890 g	700 g	900 g	1.8 kg	1.6 kg
Thermal Compatibility	×	×	●	×	●	×
Panorama Imaging	×	×	○	●	○	●
Vehicle / Airborne Capture	×	×	×	×	●	●
Best for	Fast site-to-DXF workflows	Fast start & practical adoption	Everyday professional use	Enterprise-grade scanning	Large terrain & complex reality capture	Efficient workflows with precision where it matters

- Available
- Optional
- × Not available

Adapt to More Field Conditions

Backpack



Light on You,
Heavy on Accuracy

Adaptable Model:
P2 S2 T1

Stablising Vest



Power Your Scan

Adaptable Model:
X1 P2 S2 T1

Extension Pole



Scan Beyond
Limits

Adaptable Model:
X1 P2 S2 T1

Robot Dog Mount



Your Path to
Challenging
Terrains

Adaptable Model:
P2 S2

Car Mount



Bring scanning
up to speed

Adaptable Model:
S2 T1

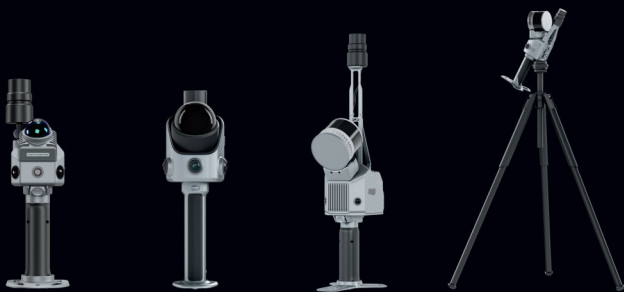
Drone Mount



Unlock Every
Perspective

Adaptable Model:
S2 T1

Take On More Sites



P2 X1 S2 T1

	P2	X1	S2	T1
Extension Pole	✓	✓	✓	✓
Stablising Vest	✓	✓	✓	✓
Backpack	✓	✗	✓	✓
Robot Dog Mount	✓	✗	✓	✗
Car Mount	✗	✗	✓	✓
Drone Mount	✗	✗	✓	✓