



FJD Trion V4e Go

The easy way into 3D scanning

Make the leap to real LiDAR

Outgrown phone LiDAR? V4e Go is your next step, offering a reliable way to capture spaces and build clearer project records. Serious results without a serious price.

Precise scan on every pass

Capture 154,600 points per second, every time. Each walkthrough delivers dense, accurate data, so the first scan is the one you keep.



Indoor & outdoor

Handle interiors with confidence, then add the GNSS receiver for centimetre-level outdoor positioning in real-world coordinates.



Ready in a snap

The magnetic mounting system securely connects your phone in seconds, so you can snap on, power up, and get straight to work.



More ways to go

V4e Go supports a wide range of smartphones, fitting into your workflow without forcing your team to switch devices.

A workflow in motion

Watch reality take shape

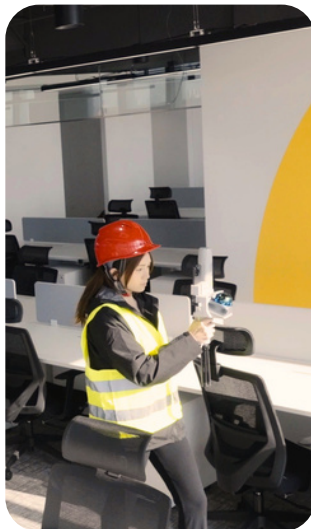
FJD Trion mobile apps give you a live view of every scan. Connect your phone to V4e Go to watch the 3D point cloud come together in real time and review the captured data while still on site, making potential gaps easier to recognise before you finish.



Keep every result within reach

Once scanning is complete, upload the project to the cloud workspaces for further editing and processing. Turn captured data into practical project results, then review, manage and share your work with your team from any browser.

Built for real-world projects



Floor Plans

For focused indoor spaces



BIM Models

For compact design projects



Tree Inventory

For localised vegetation surveys



Volume Analysis

For inventory checks and volume tracking

V4e Go Specifications

LiDAR

Point Cloud Output	154,600 pts/s @ 70° vertical FOV
Range	0.05–50 m @ 90% reflectivity
	0.1–25 m @ 10% reflectivity
Post-Processed Point Cloud Accuracy*	Relative: 1 cm
	Absolute: 3 cm
Field of View (FOV)	Horizontal: 360°; Vertical: -10° to 60°
Laser Wavelength	905 nm ± 15 nm
Eye Safety Rating	Class 1
Sampling Rate	≥ 200 kHz

**Lab-tested accuracy, actual results may vary.*

Mobile Compatibility*

iOS Devices iPhone 15 and later

Android Devices

OTG-enabled Android devices with the required driver

**Check device compatibility in the FJD Trion Creative app before use.*

GNSS Specifications

GNSS

BDS (BeiDou)	B1I, B2I, B3I, B1C, B2a, B2b*
GPS	L1 C/A, L2P, L5
GLONASS	G1, G2
Galileo	E1, E5b, E5a, E6*
QZSS	L1, L2, L5
SBAS	L1 C/A
Parallel Channels	1408

**Support will be available with future firmware updates.*

Data Types

Differential Data Formats	RTCM 2.3, RTCM 3.x, CMR
Output Data Format	NMEA-0183

Electrical & Interface Specifications

Charging Input	5 V / 3 A
Battery	3.6 V / 6,700 mAh
Power Consumption	<5 W (at 25°C)
Charging Time	3 hours
Operating Time	5 hours
Data Port	USB 3.0
Charging Port	USB 2.0

Physical Characteristics

Dimensions (L × W × H)	140 × 167 × 270 mm
Weight	1,025 g (Main unit)
Mounting Interface	5/8-inch internal threaded mount
Operating Temperature	-20 °C to 60 °C
Charging Temperature	0 °C to 45 °C

Precision and Reliability

Signal Reacquisition Time	≤1 s
Time to First Fix (TTFF)	Cold start: ≤30 s, Hot start: ≤5 s
RTK Initialization Time	<5 s
Initialization Data Reliability	>99.9%
Data Update Rate	Measurement & positioning: 1 Hz, 2 Hz, 5 Hz, 10 Hz, 20 Hz
Single Point Positioning Accuracy (RMS)	H: ≤1.5 m; V: ≤2.5 m
DGPS (RMS)	H: ≤0.4 m; V: ≤0.8 m
RTK (RMS)	H: ≤0.8 cm + 1 ppm; V: ≤1.5 cm+1 ppm
Time Accuracy (RMS)	20 ns
Speed Accuracy (RMS)	0.03 m/s
Laser Tilt Measurement Accuracy (V4e Pro)	≤3 cm error at 3 m distance (θ ≤ 30°)
Tilt Measurement Accuracy (V4e Pro)	3D error ≤2.5 cm (θ ≤ 30°); 3D error ≤3.5 cm (θ ≤ 60°)

