



FJDTrion V4e Pro

HANDHELD LASER GNSS RECEIVER

POLE-FREE, WORRY-FREE

Still stuck setting up poles, fighting awkward angles, and second-guessing your measurements? V4e Pro is built to remove the friction from everyday field work. It lets you point, measure, and move on with confidence, even in challenging conditions. No extra setup, no careful posture, no repeated checks.



All-Constellation
GNSS



Accuracy
@3m < 3.5cm



High-Visibility
Laser



320g
Ultra-Light



60° Tilt
Measurement



12h Runtime on
3h Charge



1.2 m Drop
Resistant



Tap and
Measure

FEATURE HIGHLIGHT

Just Point. V4e Pro Handles the Rest.

No poles to carry, set up, or reposition. Capture accurate coordinates by simply pointing, even at angles up to 60°, with precision down to ± 3.5 cm.



Hit the Target Every Time

Just turn on the laser and follow the green beam to your stakeout point. The system confirms the position the moment you hit the target.



Made for Difficult Access Areas

Capture hard-to-reach spots without stepping in. Point and measure from where you stand, without physical access to the target.



Visible Under Sunlight

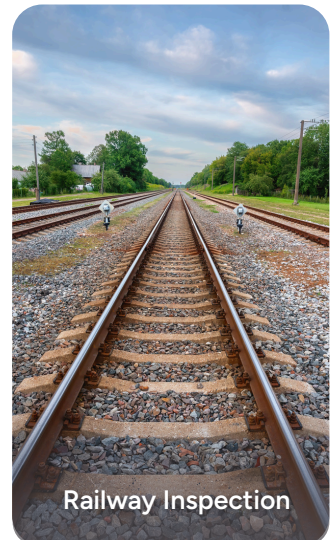
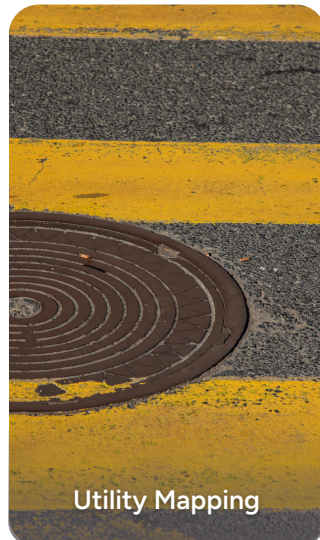
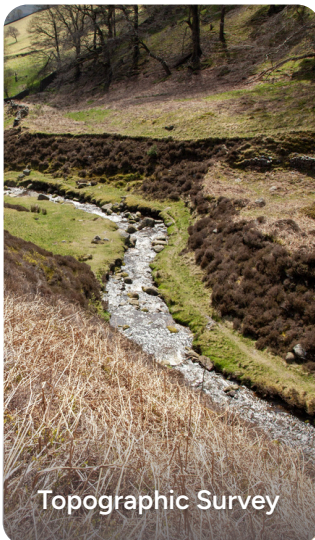
The bright green laser remains clearly visible in sunlight, so you can aim quickly and confirm points with confidence.

Grab and Go

Light enough to carry all day, powerful enough to keep up. Weighing just 320 g, it powers through 12 hours of work, recharges in under 3 hours, and stands up to 1.2 m drops on site.



HELPS YOU GET IT RIGHT, ANYWHERE



SPECIFICATIONS

GNSS

Channels	1408
BeiDou	B1I, B2I, B3I, B1C, B2a, B2b
GPS	L1C/A, L2P, L5
GLONASS	G1, G2
Galileo	E1, E5b, E5a, E6*
QZSS	L1, L2, L5
SBAS	L1C/A

Positioning

RTK Performance (RMS)	H: 0.8 cm+1 ppm, V: 1.5 cm+1 ppm
Signal Reacquisition	≤1s
Time to First Fix	Cold Start≤30s Hot Start≤5s
RTK Initialization Time	<5s
Initialization Data Reliability	>99.9%
Data Update Rate	Measurement & Positioning: 1Hz, 2Hz, 5Hz, 10Hz, 20Hz
Single Point Solution Accuracy (RMS)	H: 1.5 m, V: 2.5 m
DGPS (RMS)	H: 0.4 m, V: 0.8 m
RTK Accuracy with Tilt Compensation	3.5cm/60°, 2.5cm/30°
Time Accuracy (RMS)	20 ns
Speed Accuracy (RMS)	0.03 m/s
Tilt Angle	0- 60°
Laser Measurement	3.5 cm (60°) within 3m,
Accuracy	2.5 cm (30°) within 3m

Communications and Data Storage

Differential Data	RTCM2.3, RTCM 3.x, CMR
Data Format	NMEA-0183
Bluetooth 4.2	Dual-mode Bluetooth Working distance: 5m

Hardware

Shell Material	PC+ABS
Dimensions	182 x 53 x 53 mm
Weight	320g
Li-ion Battery Capacity	5000 mAh
Laser	Laser Type: Class 2M GREEN Laser Wavelength: 510nm~550nm Measuring Range: 0.03m~60m Ranging Accuracy: ± 3mm
Charging Parameters	5V/2A
Power Consumption	1.5W
Electrical Interface	USB 2.0 Type-C
Charging Time	≤3h
Battery Life	12h ¹
Mounting Interface	1/4 thread internal interface
Button	On/Off key
Indicators	Fixed disassembly indicator & charging indicator
Operating Temperature	-20°C – 60°C
Charging Temperature	0°C – 45°C
IP Rating	IP67

*: This requires specific firmware support.

1: Using tilt measurement and the laser tool all the time will make the battery run out faster.

