

FJD Trion C1

Room to floor plan, in minutes



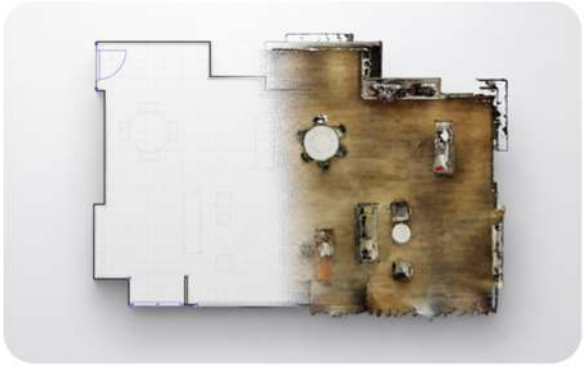
Stop chasing walls

Still relying on phone-only room scans? C1 is purpose-built for the job, giving your team a fast way to turn indoor spaces into accurate, editable floor plan drafts ready to put to work.

Catch gaps on site

Check coverage, verify key dimensions, and rescan missed areas before leaving. C1 helps teams get the answers they need in one visit, without a return trip.





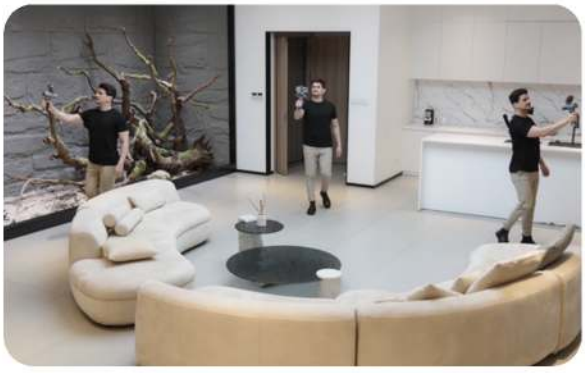
From raw room to ready file

C1 turns indoor scans into an editable floor plan draft, reducing manual drafting by up to 80%. Clean it up, export it, move on.

Measure what's critical

Confirm critical dimensions with the built-in laser, accurate to ±3 mm. No need for a separate measuring tool. No missing measurements discovered later.





Built for room after room

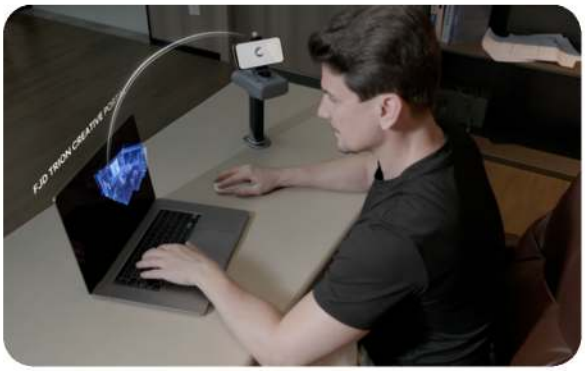
Capture 200 m² in as little as 3 minutes, with up to 5 hours of runtime for room-to-room work.

A workflow in motion

Watch reality take shape

Scan the room with C1 and watch it take shape in FJD Trion Creative. Highlighted gaps show where more coverage is needed. Add laser measurements, review the editable floor plan, and make quick fixes before leaving the site.





Keep every result within reach

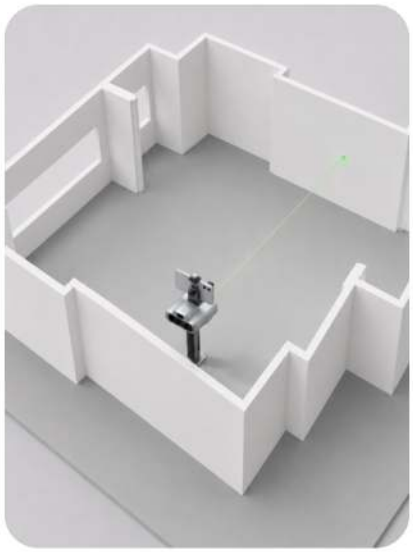
Once the scan is complete, upload the project to FJD Trion Creative Portal in one tap. Keep the mesh in view as you fine-tune walls, add doors and windows, and export the final floor plan in your browser.

Outputs you can build on



Floor Plan

Export editable DXF floor plans and reports for refinement and project delivery.



Laser Measurements

Verify key dimensions on site with ±3 mm laser accuracy.



Textured Mesh

Inspect objects and spaces in 3D with realistic surface detail.

Specifications

LiDAR

Point Rate	230,400 pts/s
Laser Wavelength	940 nm
Scanning Range	0.1–6 m @ 10%–90% Reflectivity
Post-Processing Relative Accuracy	1 cm
Depth FOV	140° × 56°
RGB Resolution	1280 × 1080
Max Frame Rate	10 fps
RGB FOV	120° × 110°
Scanning Technology	dToF Depth Sensing
Laser Safety	Class 1

Environmental Specifications

Operating Temperature	0 °C to 40 °C
Storage Temperature	-25 °C to 60 °C

Laser Measurement

Measurement Range	0.03–60 m @ 100% Reflectivity
Measurement Accuracy	±3 mm
Distance Resolution	1 mm
Ambient Light Condition	≤1 kLux
Range Test Condition	Reflectivity 1.0, Ambient Light 3 kLux
Laser Safety	Class 2

Physical Characteristics

Device Dimensions	310 × 140 × 115 mm
Package Dimensions	260 × 210 × 150 mm
Weight	950 g
Battery Runtime	Up to 5 h
Charging Time	2 h
Charging	20 V ⎓ 1.5 A (30 W)
Moisture Protection	PCB Conformal Coating*

*PCB conformal coating only. The device is not waterproof.

Free Quote: sales@fjdtrion.com

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