

2f

2freedom



2fImaging

WHEN YOUR INSTRUMENT STARTS TO THINK

2fImaging is a groundbreaking instrument developed by 2freedom that is set to revolutionize how we measure the world. It combines cutting-edge technologies like videogrammetry, visual SLAM, and artificial intelligence, while integrating data from all GNSS systems and total stations to create a precise reference framework.

With 2fImaging, you can scan environments in 3D with exceptional accuracy and resolution. If you need to measure individual points, 2fImaging also enables precise measurements using GNSS or total stations—even when there is no direct line of sight or GNSS signal is weak. Videogrammetry allows you to continue surveying with high precision even indoors.

Thanks to automatic segmentation and AI, measurements are fast and intelligent. Objects can be automatically categorized and segmented in the field, and then transformed into points and lines to export directly to BIM, CAD, or GIS formats.

Fully compatible with all GNSS receivers and total station systems, 2fImaging is the smart all-in-one solution for modern surveying professionals.



Save time measuring in the field and in the office. 2fImaging is the first smart instrument for surveyors and other professionals, automatically measuring through AI.



Don't worry about GNSS signal or if the total station has no line of sight to the prism. Keep measuring without limits.



Visual SLAM, videogrammetry, IMU, AI segmentation and GNSS georeferencing, all working for the surveyor.



Turn your total station and GNSS into a 3D scanner.



Scan with freedom and adapt to each projects requirements.



www.2freedom.net



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sales@2freedom.net

Ready to explore further?

Book a demo and discover how we can take your projects to the next level



KEY POINTS



3D Scanning

Capture freely, no cables, no limits. capture freely, no cables, no limits.



Measure without GNSS Signal

Videogrammetry keeps accuracy even when GNSS signal is weak or lost.



Measure without direct view with the total station



Measure automatically: Automatic segmentation

Use it in your hand or under GNSS with PPS cable for automatic 3D point clouds.



CAD, BIM, GIS Export

Automatically recognizes and measures objects (roads, signs, trees, manholes, etc.).



100% Compatible with all the GNSS and Total Stations

Physical Specification

Dimensions	210 x 120 x 59,5 mm
Weight	900g

Camera

Resolution	2448 × 2048 px
Field of View	115°
Frame Rate	24 fps
Camera sensor	Global Shutter

Technical Specifications

IMU	YES	Export 3D model formats	LAS, PLY (3D models)
Battery capacity	1,5h	Export trajectory formats	TXT (trajectory data)
Integration with GNSS	Yes	Usage modes	Handheld or mounted on pole
Connectivity to tablet	Wi-Fi	AI	Yes
GNSS-free compensation	Yes	Recommended range	0.4 to 40.0 m
Processing	Local & Cloud Processing		

KEY APPLICATIONS



Urban Surveys



Construction Control



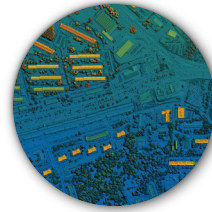
Heritage & Architecture



Infrastructure & Utilities



Challenging Environments



GIS

Reserve now!



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