

THE ULTIMATE 3D IMAGING SCANNER

2Freedom is a handheld 3D Scanner based on advanced high resolution images.

This new technology allows a fast, flexible and accurate 3D model of your environment.

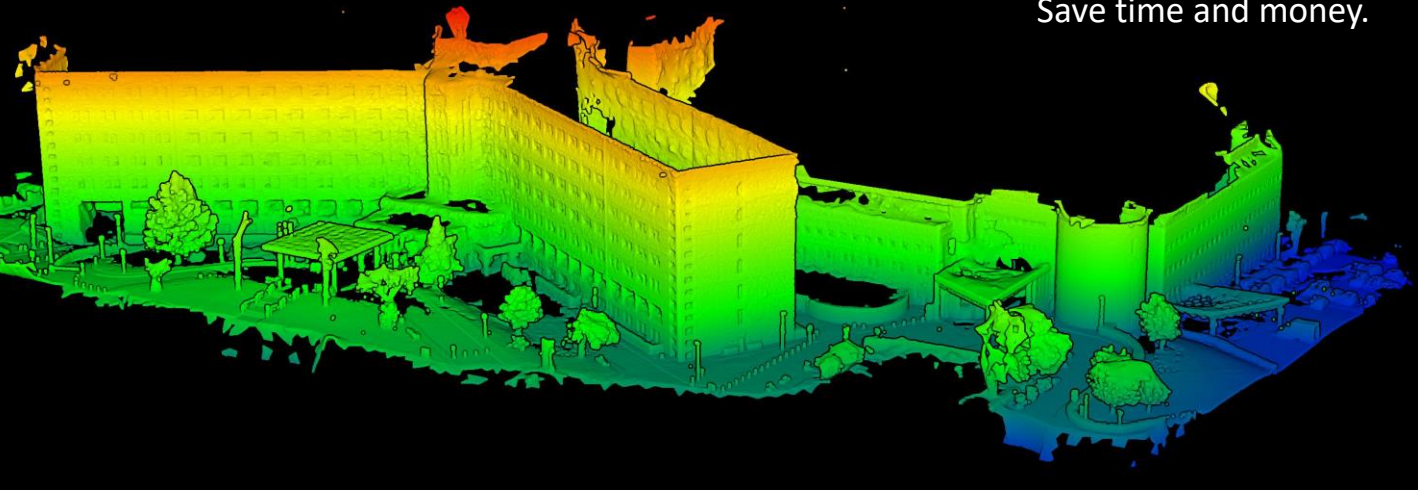


2FREEDOM
HANDHELD IMAGING SCANNER



WALK AND SCAN

Scan outdoors site as you walk.
Save time and money.



FAST



EASY-TO-USE



VERSATILE



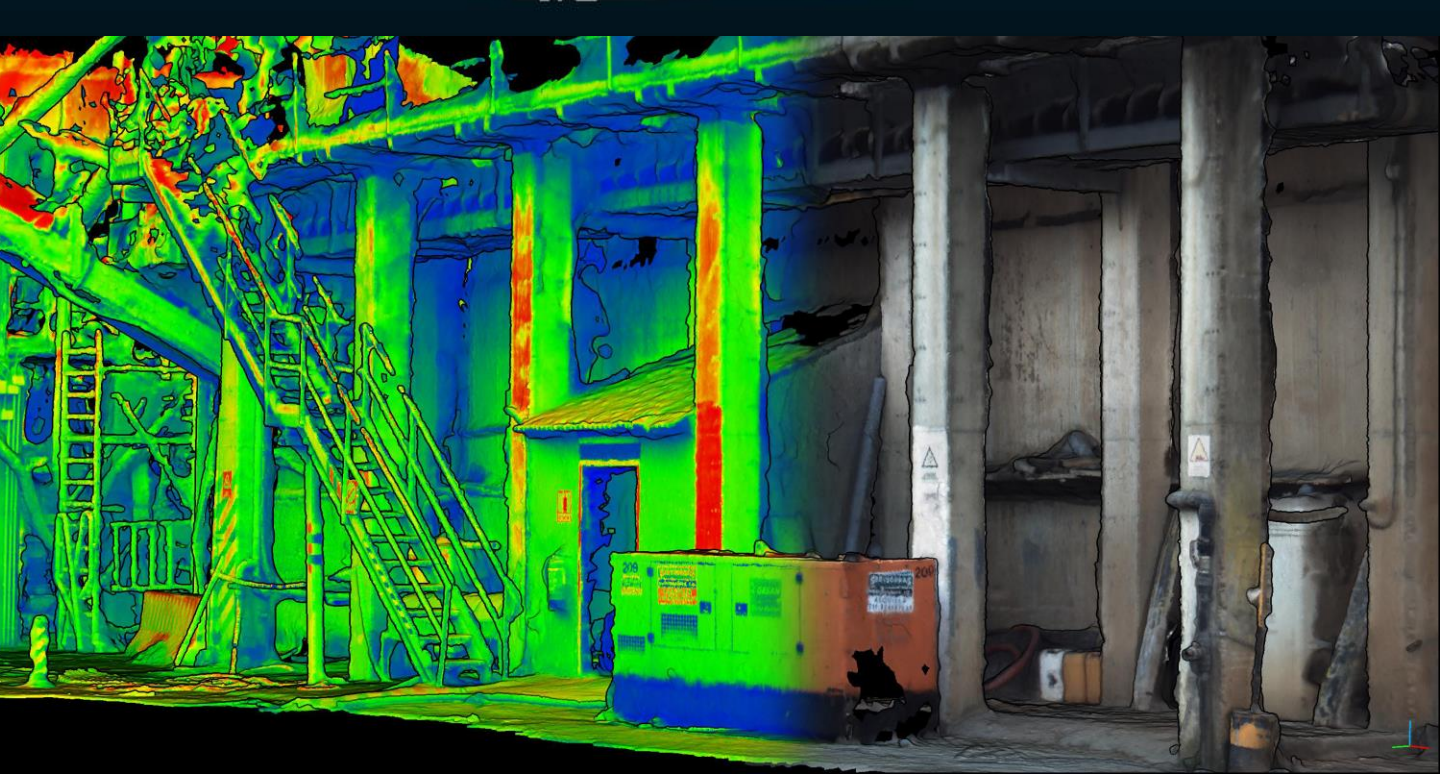
ACCURATE



HD TEXTURES



AFFORDABLE



2F TECHNOLOGY



APPLICATIONS

ARCHAEOLOGY / HERITAGE
ARCHITECTURE / CONSTRUCTION
INFRASTRUCTURES/FACILITIES
ACCIDENT RECONSTRUCTION
GEOLOGY
OTHERS



USE ANY CAMERA
INCREASE THE FLEXIBILITY
USING SMARTPHONES
AND DRONE CAMERAS

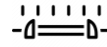




SMART
ALGORITHM



REAL TIME
VISUAL SLAM



RANGE:
FROM 0.4 TO 45M



IMU



SCALED
RESULTS*

DESING & TECHNOLOGY

The best 3D Scanner desing ever.
Simple lines that hide a smart technology inside.
Small and compact.



SCAN 30 MINUTES
OR MORE



HD IMAGES
& TEXTURES



MULTICAMERA
2F TECH ©

Dimensions and Physical

Case material: Plastic ABS

Dimension: 120mm diameter x 151mm length

Weight: 740g aprox.

Packaging dimensions: 555 x 428 x 211 mm

Rigid case content: 2Freedom 3DScanner, Tablet Surface Pro, tripod, scale targets, cable USB-C, manual, calibration certificate, warranty contract.

Total Weight: 5kg aprox.

Imaging

Camera A: Resolution 640 x 480px; Field of view: 65°; Frame rate: 25 fps

Camera B: Resolution 2448 x 2048px; Fov: 89°; Frame rate: 10fps; Global Shutter Sensor

System Performance

IMU 3x3x3: Gysroscope, magnetometer and acelerometer.

Real time Visual SLAM

Recomended Range: from 0,4 to 40,0m

Trajectory Accuracy (in postprocessing): 4mm*

Relative Accuracy (range 1m): 3mm*

Relative accuracy estimated (range 20m): 2cm*

Enviromental

Operating temperature: 0C to +40C

Data transfer and processing

USB-C 3.0 connexion

This Videogrammetric 3d Scanner needs a PC to process the scanning data. (min. requirements: SSOO Windows 10 / Processor i5 / 4GBRam /Nvidia GPU)

Scanning and processing software is included.

For the generation of 3D models an external paid software is required, which 2freedom provides with a limited license.

Support

The support is personalized and includes assistance throughout the whole process that the user needs. The support is close and very fast.

**Enviroment dependent. Indoor environment must be well illuminated and have non homogeneous walls. Reflective surfaces should be avoided.*

www.2freedom.net

2Freedom Imaging Software and Hardware S.L.

Address: Serranía de los Caballeros, Portal 1, Local. Mérida, 06800 (Badajoz). SPAIN

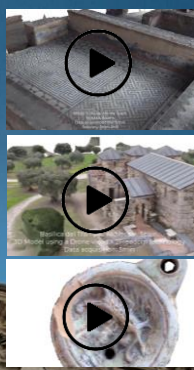
Phone: +34 924 30 00 15

info@2freedom.net



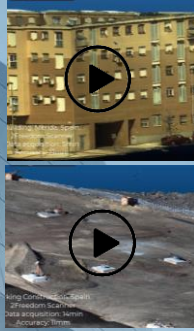
USE CASES
ARCHAEOLOGY / HERITAGE

VIDEOS



USE CASES
ARCHITECTURE / CONSTRUCTIONS

VIDEOS



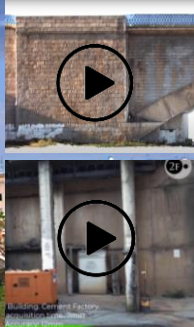
USE CASES
URBAN

VIDEOS



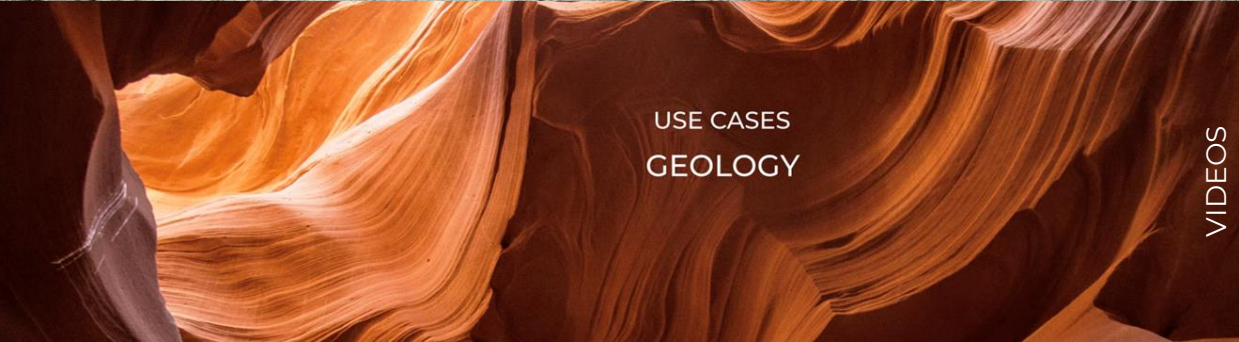
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