

2f

2freedom



2fVideomodeling

The first software to turn any video into accurate 3D models

2fVideomodeling transforms videos into accurate 3D point clouds and textured meshes. Capture with drones, smartphones, or cameras—upload and get professional 3D models in minutes, whether aerial, terrestrial, or close-range.

KEY POINTS



Accurate

Confidence in results with millimetric accuracy, delivering dense point clouds, textured meshes, and orthophotos.



Versatile Applications

From archaeology to construction and surveying—capture data on land or in the air, with smartphones or drones.



Fast Processing

Process 4K videos in record time, from drones, smartphones, or professional cameras.



Easy Workflow

Minimal training required: upload, process, and obtain reliable 3D models.



Seamless Integration

Direct export to LAS and PLY.
*Other formats available upon request.



Optimized Videogrammetry

Sequential frame selection for fine videogrammetry procedure



Capture a video with your drone, phone or camera



Upload it to 2fVideoModeling



Get accurate 3D models in minutes



www.2freedom.net



+34 924 964 879



sales@2freedom.net

Ready to explore further?

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



Web Base App

Operating System	Compatible with all platforms (Windows, macOS, iOS, Android, Linux)
Hardware Requirements	None – runs on any standard PC, laptop, or mobile device
Formats Accepted	Images (JPG, PNG, BMP) and videos (MP4, MOV, AVI)
Video Duration	Unlimited (per license, no time restrictions)
Supported Resolution	HD, 4K, 5K
Scaling	Distance-based or target-based scaling for flexible workflows
Georeferencing	Target-based and metadata support
Output Formats	LAS, PLY
Processing Time	~12 min for a 5-min video (may vary)
Processing Mode	Local & Cloud processing

HOW IS IT DIFFERENT FROM OTHER SOFTWARE?

Two key differences:

- **Smart Frame Selection** – Frames are chosen based on orientation and inter-frame connection, avoiding the inaccuracies of simply taking one every X seconds.
- **Optimized 3D Reconstruction** – Specifically designed for sequential captures, ensuring maximum accuracy and quality after years of testing and refinement by 2freedom.

IS IT ACCURATE?

Our optimized workflow inherently maximizes accuracy. In real projects, when captures are properly executed, we consistently achieve:

- **±13* mm** in drone flights at 30 m altitude with 4K video.
- **±10* mm** in 100 m² archaeological sites using 4K captures taken just 1 m from structures.

These benchmarks provide a clear reference for the level of precision you can expect with 2fVideomodeling.

*accuracy may vary with environmental conditions

KEY APPLICATIONS



URBANISM



HERITAGE



MINING



GEOLOGY



ARCHAEOLOGY



CONSTRUCTION

MAKE THE MOST OUT OF YOUR VIDEOS!

Turn any simple recording into accurate 3D models with 2fVideomodeling.



TRY IT YOURSELF!

Experience how easy it is to transform your videos into accurate 3D models.

