



# HERON® MS TWIN

Comfy and versatile portable 3D mapping system.  
**Double LiDAR sensor** for robust 3D geometry acquisition.  
Perfect for **indoors/outdoors**, complex and **multi-level** buildings,  
**underground**, geospatial projects.  
**On-premise software** packages for full data processing.



3.70 m

9.56 m



HERON family

## INDOOR/OUTDOOR

Wearable or handheld mobile laser scanner. Versatile and suitable for any environment.

*Your unmatched SLAM-based solution!*

## AUTOMATIC

Turn on the system and start surveying. Just walk and let the scanner work for you.

*Enjoy a professional system easy-to-use!*

## EFFECTIVE AND FAST

3D point clouds constrained to control points. Extraction of 3D maps and models.

*The scanner you can no longer give up!*

## ALL-IN-ONE

Full software included. Complete data processing and managing of measurements.

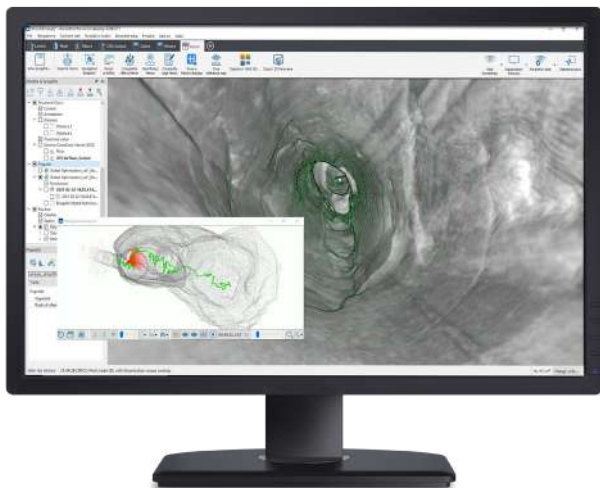
*A forefront technology at your fingertips!*

## USABILITY

- Easy geo-referencing procedure
- Loop closure not mandatory
- **Initialization** procedure **not required**
- Automatic self-localization in a reference model
- **Control points** and scans used **as constraints**
- Wired rugged backpack usable for acquisition and transport
- **Versatile capture head** dockable also to telescopic poles or vehicles (cars, bikes, quads, etc.)
- Rugged touch screen Control Unit providing:
  - Full system control
  - Annotations
  - Real-time view of the point cloud generation
  - Hands-free configuration

## DATA PROCESSING

- **Accurate 3D models** also in complex environments
- **Very dense point cloud rendering** with multiple color layers
- Direct export of 3D data to **ReCap Pro**
- Easy data export to third-party software (e.g. 3DM Feature Extraction, EdgeWise, Micromine, Scene, Verity) and **cloud platforms** (e.g. 3DM Cloud, 3DUserNetVISION, Cintoo Cloud, Scene Webshare) through the .e57 format
- Advanced point cloud rendering which emphasizes **features and details**
- **3D models navigation** tools
- Tracking mode for **change detection** applications



## APPLICATIONS

- Indoors
- Stockpiles
- BIM Models
- Tunnels
- Underground Mines
- Multi-level Buildings
- Large, Complex, Harsh Environments
- Cultural Heritage
- Geospatial
- Real Estate Assets Management
- Urban Areas
- Outdoors (with geometry)
- Forests
- Fast and Sharable Plan Views
- Multi-sensor Projects
- Progress Monitoring in Construction Sites
- Forensic

## INCLUDED SOFTWARE

What you need to create and navigate 3D models and share results



### HERON Desktop®

Post-processing SLAM software

Software to extract 3D point cloud models from HERON measurements with: patented SLAM algorithm; time bar to organise processing as desired; filtering of moving objects. Advanced mode for total control of SLAM algorithm parameters. Use of scans and control points as constraints.



### Reconstructor®

Advanced 3D point cloud analysis software

Professional software for advanced point cloud management and editing. Data processing from HERON or from terrestrial/mobile/UAV laser sensors. Powerful automatic and target-less scans alignment. Data export to ReCap, E57 and various standard formats. Full compatibility with various third-party software and cloud platforms. RGB camera calibration, HERON survey navigation, mesh and DTM generation, volume computation, sections and profiles.



### GoBlueprint®

Blueprint map manager

Intuitive visualiser of scaled x-ray images (orthophotos of the cloud of 2.5D points), designed to easily extract measurements (volumes, distances, areas) even by non-3D specialist users. Compatible with any Windows tablet or PC. Free tool.

