HERON® MS TWIN Color

Complete and versatile portable 3D mapping system.
Double LiDAR sensor for robust 3D geometry acquisitions.
Hi-Res RGB panoramic camera working **in continuous and on-demand** at 5k.
Key applications: **indoors/outdoors**, complex and **multi-level** buildings, geospatial and **digital twin** projects.
On-premise software packages for full data processing.
Long-range configuration available.

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 leave the scanner working for you.
Enjoy a professional system easy-to-use!

COMPLETE DATA
3D point clouds and 5k pano images to gather both geometry and color information at once.
The scanner you can no longer give up!

ALL-IN-ONE
Full post-processing software included. Third-party compatibility provided.
A forefront technology at your fingertips!

| www.gexcel.it | sales@gexcel.it

GEXCEL
GEOMATICS & EXCELLENCE

USABILITY

- **RGB** data acquisition: automatic and on-demand at 5K for very detailed images only if requested
- Easy geo-referencing procedure
- **Control points** and scans used **as constraints**.
- Loop closure and **initialization not required**.
- 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 and the acquired panoramic images
  - Hands-free configuration

DATA PROCESSING

- **Accurate 3D colorized models** also in complex environments
- **Automatic mapping of color** data on 3D model
- **Very dense point cloud rendering** with multiple color layers
- Direct export of images and 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 | Large, Complex, Harsh Environments | Underground Mines | Cultural Heritage | Tunnels | Stockpiles | BIM Models | Multi-level Buildings | Geospatial | Real Estate Assets Management | Forests | Urban Areas | Outdoors (with geometry) | Digital Twin | 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

To manage HERON raw data and automatically get accurate 3D point cloud models using a patented SLAM algorithm; split and merge survey trajectories and filter moving objects.
Advanced mode to customize SLAM parameters.
Use of GNSS coordinates for geolocalization.

Reconstructor®

Advanced 3D point cloud analysis software

Complete post-processing workflow for data from HERON or tripod/handheld/mobile sensors and UAV 3D point clouds. Powerful automatic target-less scans registration.
Data export in several standard formats. Full compatibility with several third-party software and cloud platforms. Point cloud editing, color camera calibration, mesh and DTM generation, volume/cut&fill volume calculations, cross-sections and profiles extraction.

GoBlueprint®

Free tool for 2.5D maps

A user-friendly viewer of X-ray 2.5D scaled images (obtained with Reconstructor), designed to quickly share models with final clients letting them easily measure distances, areas, volumes. It runs on any Windows-based tablet or pc.

GEXCEL
GEOMATICS & EXCELLENCE

Gexcel Srl . Via Branze 45, I-25123 Brescia (Italy)
sales@gexcel.it | +39 030 6595001

Official distributor contact: