

# Meridian Lite Mobile Mapping System

Unmatched 360° Imagery and LiDAR Precision for precise data flow:  
Empowering AI tools while simplifying collection and focusing on what matters.



**Mosaic 51  
Camera**

- High-resolution 360° imagery
- Suitable for various lighting conditions
- Precisely synchronized sensors
- Sharp images from all angles



**LiDAR, GNSS and  
IMU**

- High accuracy and performance
- Versatile and user-friendly operation
- Robust data processing and logging

- 75 MP Images
- 10 FPS, 8 bit h.264
- Removable 1TB SSD
- 21 x 21 x 20 cm, 5 kg
- IP64, 0–45°C, 0–100%

- Accuracy: 2–3 cm
- Precision: 2–4 cm
- Range 120 m
- 512 GB SSD
- INS: IMU and Novatel GNSS
- Position : 1 cm + 1 ppm (RTK);  
0.5 cm (PPK)



## Applications:



### Surveying & Mapping

Streamline data collection, improve accuracy, and reduce fieldwork time.



### Asset Management:

Create detailed visual records of infrastructure, aiding in maintenance and planning.



### Construction & Engineering

Monitor progress, conduct site surveys, and produce as-built documentation.