



LIDAR SWISS

MOBILE LASER SOLUTIONS

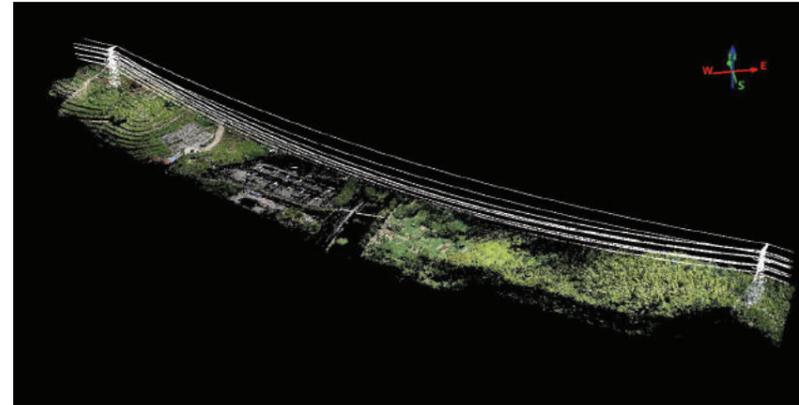


LS Nano M8 is a mini Lidar system specially designed to meet the market need for smaller size uav aircrafts.

Consists of the Quanegy scanner, a 20mp calibrated camera, a suitable POS system and LidarsSwiss proprietary control unit.

This 1.95kg Lidar system is a perfect tool for low altitude small area and corridor mapping. Easy-to-install-and-operate features ensures this Nano Lidar system will generate desirable results even with minimal training.

Coupled with Geo-LAS software to process the acquired data, measurable terrain models can be derived in a very short time.



Typical Applications

- Powerline inspection/danger tree analysis.
- River bank & coastline mapping.
- Water resources monitoring.
- Quick response mud slide analysis.
- Disaster management.
- Other 3D data applications.

Features

- 8 laser heads, 360 deg FOG
- 5, 10 or 20hz scan rate
- MEMS IMU
- 20mp RGB calibrated camera
- Rugged system controller
- Autonomous operation
- One button startup
- Weighs 1.95kg
- Transported in a small size pelican case
- Operating range 100m
- Up to 200pts/m²
- Installation in minutes

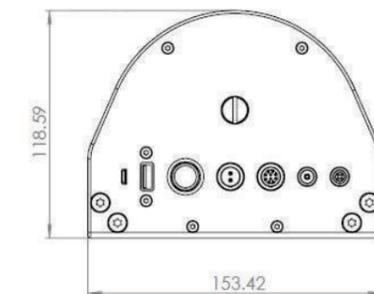
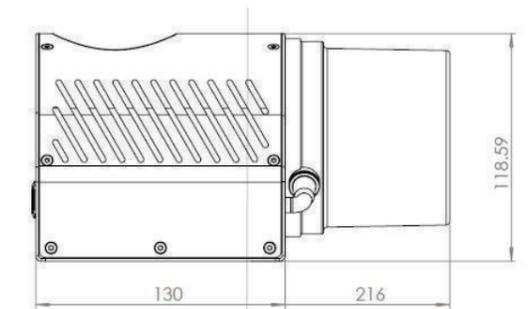


Item

- Laser class
- Wavelength
- Scanning range
- Scanning angle
- Pulse rate
- Point density
- Scanning mechanism
- Pitch/Roll accuracy
- Heading accuracy
- Recording media
- Storage capacity
- Single scanning swath
- Image dimension
- Voltage
- Power consumption
- Dimension (LxWxH)
- Weight
- Working temperature
- Storage temperature

Specification

- Class 1, eye safe
- Near Infrared
- 200m (80% reflectivity)
- User selectable to 360deg
- 400KHz
- Up to 200+pts/m²
- Rotating laser head
- 0.05 deg
- 0.1 deg
- Win 10 system controller
- 128Gb
- Up to 200m
- 20 MP (Optional)
- 18 - 28V
- 40W (Max.)
- 21.6cm x 15.4cm x 11.8cm
- 1.95kg incl. 20mp Camera
- 0 C to 40 C
- 0 C to 50 C



- ◆ Area and corridor 3D data acquisition
- ◆ Terrain modelling for precision farming
- ◆ Stockpiles & volumetric calculations
- ◆ Historical site modelling
- ◆ Other corridor mapping
- ◆ Rapid and accurate distance measuring

