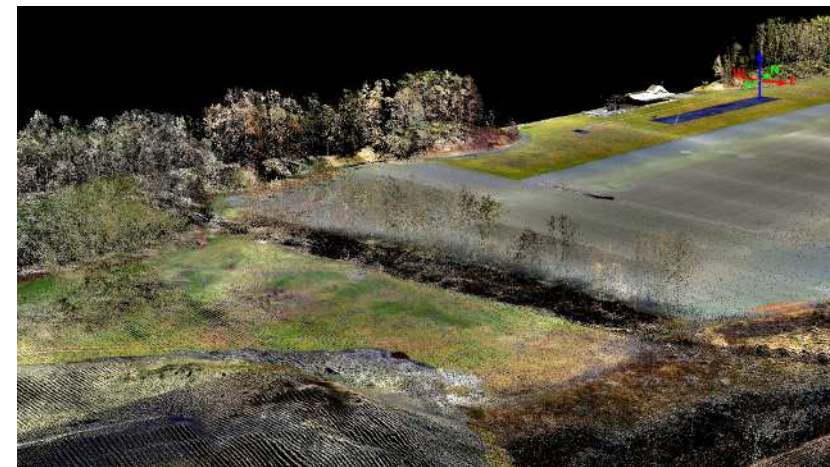




LS Nano V32 is a mini Lidar system specially designed to meet the market need for Multi-copters. Consists of Velodyne HDL-32E scanner, a 20mp mini camera, a suitable POS system and LidarsSwiss proprietary control unit, this 2.7kg Lidar system is a perfect tool for low altitude small area and corridor mapping. Easy-to-install-and-operate feature ensures this nano Lidar system to generate desirable result even with minimal training. Coupled with Geo-LAS software to process the acquired data, measurable terrain models can be derived in very short time.



Typical Applications

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

Features

- 300khz Pulse rate, 32 laser heads
- 360 deg FOV
- 1-20hz scan rate
- MEMS IMU
- 20mp RGB calibrated camera
- Rugged system controller
- Autonomous operation
- One button startup
- Weights 2.7kg
- Fits small size pelican case
- Operating range 80m
- Up to 100pts/m²
- Installation in minutes



- ◆ 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

Item

- Laser class
- Wave lenght
- Laser beam divergence angle
- Scanning range
- Scanning angle
- Pulse rate
- Point desity
- Scanning mechanism
- Pitch/Roll accuracy
- Heading accuracy
- Recording media
- Storage capacity
- Single scanning swath
- Image dimension
- Effective operating range
- Voltage
- Power consumption
- Dimension (LxWxH)
- Weight
- Working temperature
- Storage temprature

Specification

- 1 class, eye safe
- Near Infrared
- 0.5 mrad
- 5m to 100m
- User selectable to 360deg
- 300KHz
- Up to 100+pts/m²
- Rotating laser head
- 0.05 deg
- 0.1 deg
- Win 10 system controller
- 128Gb
- Up to 200m
- 20 MP (Optional)
- Conductors: 25m/other objects: 80m
- 12 - 30V
- 57W (Max.)
- 19cm × 14.4cm × 12cm
- 2.3kg incl. cables
- 0 C to 40 C
- 0 C to 50 C