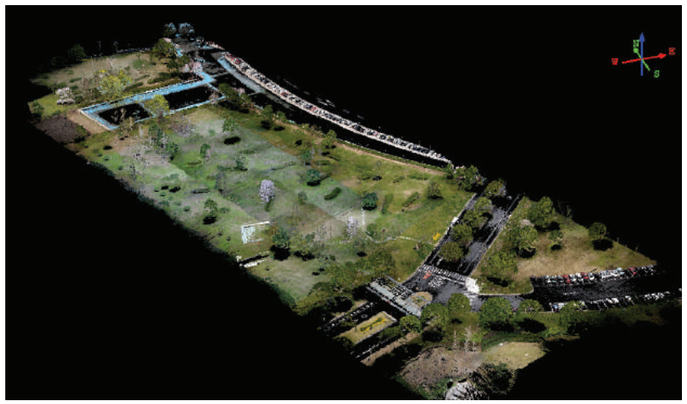
LIDAR SWISS
MOBILE LASER SOLUTIONS

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

Consists of the Quanergy M8 scanner, a 20mp calibrated camera, a suitable POS system and LidarSwiss 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 ensure this Nano Lidar system will generate desirable result even with minimal training.
Coupled with LS Geo-LAS software to process the acquired data, measurable terrain models can be derived in a very short time.



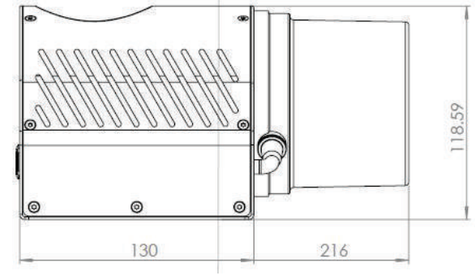
Typical Applications

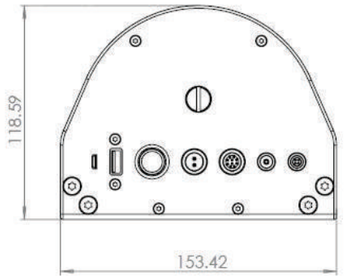
Powerline inspection/danger tree analysis.
River bank & coastal lines mapping.
Water resources monitoring.
Quick response mud slide analysis.
Disaster management.
Other 3D data applications.

Features

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

Item	Specification
Laser class	1 class, eye safe
Wave lenght	Near Infrared
Scanning range	200m (80% reflectivity)
Scanning angle	User selectable to 360deg
Pulse rate	400khz
Point desity	Up to 200+pts/m^2
Scanning mechanism	Rotating laser head
Pitch/Roll accuracy	0.05 deg
Heading accuracy	0.1 deg
Recording media	Win 10 system controller
Storage capacity	128Gb
Single scanning swath	Up to 200m
Image dimension	20 MP (Optional)
Voltage	20 - 28V
Power consumption	40W (Max.)
Dimension (LxWxH)	21.6cm × 15.4cm × 11.8cm
Weight	1.95kg incl. 20mp Camera
Working temperature	0 C to 40 C
Storage temprature	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

ORIGINAL SWISS QUALITY