





Features:

- 360° FOV @ 100kHz, 200kHz reduced power 180° @ 200kHz 120° @ 300kHz
- Applanix® IMU/GNSS
- Intelligent system controller
- Autonomous operation
- 42mp calibrated camera
- Automatic RGB attribution to laser points
- Only 30% side lap needed to generate survey grade DOM
- Lifetime system calibration
- Direct geo-referencing technology
- Support Geo-RT real-time process
 - High accuracy small area mapping
 - Terrain modeling for heavy vegetation areas
 - Historical site mapping
 - Other corridor mapping
 - Rapid and accurate distance measuring
 - Volumetric calculations for mining

Nano Vux 3 is the latest model of the Nano Vux series. This upgraded LiDAR model integrates the Riegl® miniVUX-3 scanner, Applanix® IMU/GNSS, and a 42mp calibrated camera. It weighs only 3.0kg making it suitable for various kinds of multi-drones. When operating onboard a LidarSwiss geo controller, it automatically collects laser and image data. LidarSwiss' proprietary Geo-LAS generates laser point cloud with RGB value simultaneously. The algorithm it uses to process 3D data for all objects above ground is proven to be highly accurate.

Nano Vux 3 is easy to transport, easy to install, and easy to operate. It is the perfect tool for rapid and accurate 3D data for small areas - whether it's on electronic copters and other flying platforms.



Typical Applications:

• Power line inspection/danger tree analysis

All Rights Reserved @ 2022 LidarSwiss

- Riverbank and coastal line mapping
- Water resource monitoring
- Quick response mudslide analysis
- Disaster management
- Other 3D data applications

Item:

- Laser class
- Wave length
- Laser beam divergence angle 1.6*0.5 mrad
- Scanning range
- Scanning angle
- Pulse rate
- Point density
- Scanning mechanism
- Scanning rate
- Pitch/Roll accuracy
- Heading accuracy
- Recording media
- Storage capacity
- Single scanning swath
- Image dimension
- Effective operating range
- Voltage
- Power consumption
- Dimensions (LxWxH)
- Weight
- Working temperature
- Storage temperature

Specification:

Class 1, eye safe Near infrared 3m to 330m User selectable to 360° 300kHz Up to 150+pts/m² Rotating mirror 30 to 100Hz 0.025° 0.08° Win 10 system controller 512GB Up to 330m 42mp 330m 14-30V DC 50W (typical) 363mm x 153mm x 120mm 3.0ka -10°C to 40°C -20°C to 50°C



