



The Micro Vux 22 is the next generation Micro Vux CE. It's the lightest generation long range LiDAR solution and a product suitable for both corridor and area mapping.

Based on the Reigl® VUX-1LR²², survey-grade IMU, and a fully integrated 42mp calibrated industrial camera, this compact LiDAR system can be operated at higher altitudes and covers larger areas for mobile mapping on vehicles or on manned and unmanned flying platforms.

Micro Vux 22 automatically collects highly accurate laser and image data via its onboard system controller. It can produce DOMs, DEMs, DSMs, and DTMs which may be further processed to produce 3D models for various industries.



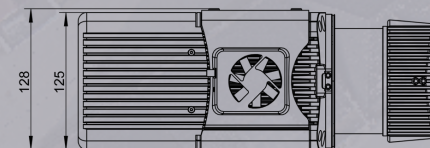
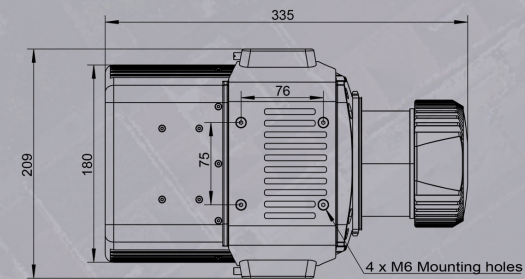
Item:

- Laser class
- Wave length
- Laser beam divergence angle
- 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
- 0.35°x0.5 mrad
- 1845m @ 80% reflective
- 360°
- 1500kHz
- Up to 800pts/m²
- Rotating mirror
- 10 to 200Hz
- 0.006°
- 0.019°
- Win 10 system controller
- 1TB + 512GB
- Up to 1700m
- 42mp
- Conductors: 200m (other objects: 1000m)
- 14-30V DC
- 105W (max.)
- 335mm x 209mm x 128mm
- 4.5kg
- 20°C to 40°C
- 20°C to 50°C

Unit: mm



Features:

- NovAtel® IMU/GNSS
- 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
- Autonomous operation
- Single button startup

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

Typical Applications:

- Power line inspection/danger tree analysis
- Riverbank and coastal line mapping
- Forestry resources monitoring
- Quick response landslide analysis
- Disaster management
- Other 3D data applications