



Nano P60 is the brand-new solid-state LiDAR system by LidarSwiss in 2022. Featuring its automatic RGB point cloud generating function, it consists of a Cepton® Sora P60 solid-state scanner, a 42mp camera, an Applanix® IMU/GNSS, and a LidarSwiss controller. With a total weight of 2.1kg, this compact LiDAR system is suitable for many industries when mounted on small drones.

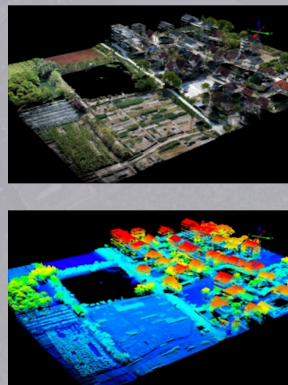
The prominent features of the **Nano P60** are its high stability, point density, and intelligence. The **Nano P60's** MTBF is 67,000 hours and its scanning speed is 19 times that of a mechanical scanner with multiple laser heads. With its LidarSwiss controller, the **Nano P60** automatically generates laser point clouds with RGB values at landing, which improves working efficiently dramatically.

Nano P60's colored laser point clouds are in standard format. They can be used directly to produce mapping products such as DOM/DEM and 3D models, or to generate industrial analysis reports.

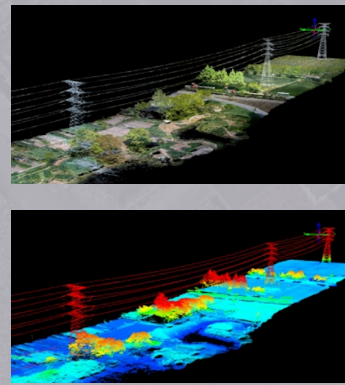
Features:

- Solid-state scanner MTBF67000h
- Effective flying height of 180m
- Applanix® IMU/GNSS
- 42mp calibrated camera
- Rigid control unit
- Automatic RGB attribution to laser points
- 30% overlap only for flightline design
- Fits in small Pelican® case
- High accuracy
- High point density
- High stability

Small Area Mapping Sample Data



Power Line Sample Data



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 resolution
- Effective operating range
- Voltage
- Power consumption
- Dimensions (LxWxH)
- Weight
- Working temperature
- Storage temperature

Specification:

Class 1, eye safe
Near infrared
0.6 mrad
200m @ 30% reflective
60°
315kHz
Up to 400pts/m ²
MMT (mirrorless, non-rotational)
380Hz (fixed)
0.025°
0.08°
Win 10 system controller
512GB
Up to 208m
42mp with 24mm lens
Conductors: 85m, others: 200m
60W
20-28V DC
168mm x 109mm x 145mm
2.1kg
-20°C to 60°C
-40°C to 70°C

