

## HT-G3 LiDAR/RGB package



### G3 multirotor system

- Ruggedized, dust and rain proof design (Carbon fiber, Glass fiber, Kevlar)
- 1 person operation
- Designed for ISTAR missions
- Quad copter
- 2 rechargeable batteries
- 10" ruggedized tough screen computer
- Operation console with joystick and controllers
- Mil. Std. encrypted datalink for control, telemetry and video feed.
- Flight planning software
- Transport case
- Range >5km
- Weight max. 11 kg
- Dimensions 80cm x 80cm x 40 cm
- Wind limit 15 knots
- Battery Lipo 24V

#### Endurance:

- 50-90 minutes, depending on payload

Payload (kg)	Endurance (min)
0.3	90
1.5	60
3.0	45

## Features

300khz Pulse rate, 16 laser heads  
360 deg FOV  
1-20hz scan rate  
MEMS IMU  
20mp RGB calibrated camera  
Rugged system controller  
Autonomous operation  
One button startup  
Weights 2.3kg  
Fits small size pelican case  
Operating range 80m  
Up to 100pts/m<sup>2</sup>  
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

## LiDAR/RGB system LS-Nano V16 (PPK,RTK)

- Velodyne VLP-16. 1 (700,000 point/sec, 100m max range).
- Oxts MEMS IMU/GPS 1 (pitch/roll 0.05, heading 0.015).
- Sony QX-1 20mp calibrated camera.  
(500g pod, rigid connection with Lidar system for geo-referencing, no triangulation, no tie points, 16mm lens, 3cm ground resolution at 100m AGL, provides DOM and RGB value to point clouds)
- LS-Controller (Windows 10).
- LS-Collect on-board software Suite.
- Pelican case for shipping.
- Power cable/GPS antenna/GPS cables.
- 1-year system warranty

### **LS Nano Mandatory Software bundle 1**

- Geo-LAS software 1-year maintenance license.  
(rapid point cloud generating software)  
*EUR2800,- annual maintenance cost after first 12 months.*

### **Bonus software**

- LS 3d Live – 6 month trial version 1  
(Real-time on board processing software,  
base station required for RTK)  
*EUR 3400,- annual maintenance cost after*

**Total package price EUR 99.900,00\***

*\*UAV and LiDAR training not included, depending on level of participants.*

### **Terms and conditions:**

- Quote is valid for 30 days
- Delivery: 14 weeks from payment to shipping
- Payment: 50% with order, 50% one week before notice of delivery
- Quote does not include taxes, customs duties, GST and shipping (Ex Work)
- One-year warranty starting at arrival equipment on customer side
- Training on customer site is available upon request with additional cost

Link to Realtime LiDAR processing (LS 3d Live) video: <https://youtu.be/rZinOS0vp5A>