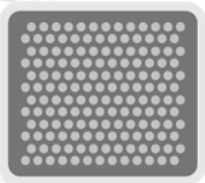




# Snoopy miniVUX



**50-100 Points**  
Per square meter



**AGL**  
120+ Meters



**100+ Acres**  
One Flight



**Accuracy: 15 mm**  
**Precision: 10 mm**



**2.9kg**



The Snoopy miniVUX is specially designed for UAV missions. And can be upgraded to a ground-based car or backpack collection system.



#### Dimensions / Weight:

- 242 mm long
- 99 mm long
- 85 inches wide
- Weight ~2.9kg
- 10-30VDC
- 25 Watts

Weighing in at only 2.9kg, The Snoopy miniVUX is light-weight and easy to use. Starts with just a click of a button on your smartphone.

#### Storage:

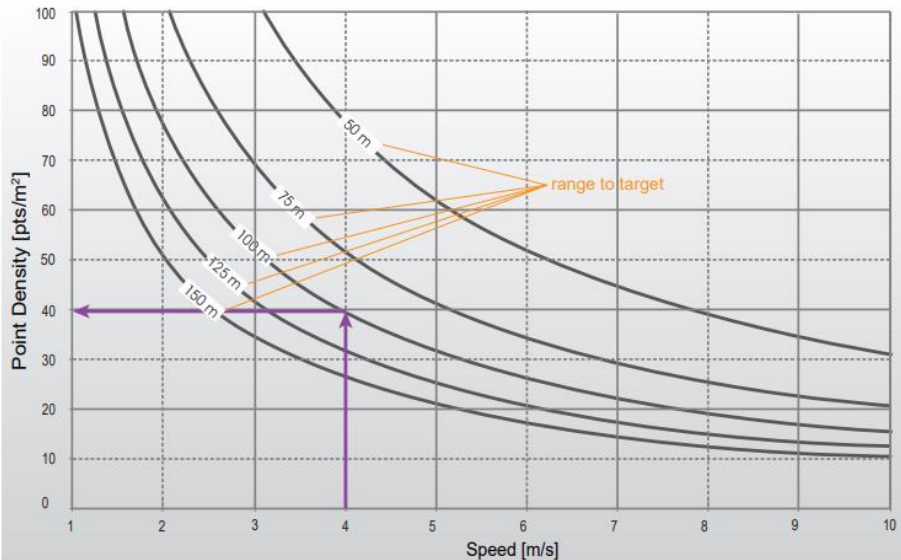
- External Storage (500mb to 1TB)
- Internal Storage (500mg)

# GNSS IMU Comparison

Post-Processed	Snoopy IMU	APX20
Position Accuracy (m)	<b>0.01-0.005</b>	0.02-0.015
Velocity (m/s)	<b>0.010</b>	0.010
Roll & Pitch (deg)	<b>0.006</b>	0.015
True Heading (deg)	<b>0.030</b>	0.035
Data Update Rate (Hz)	<b>200</b>	200



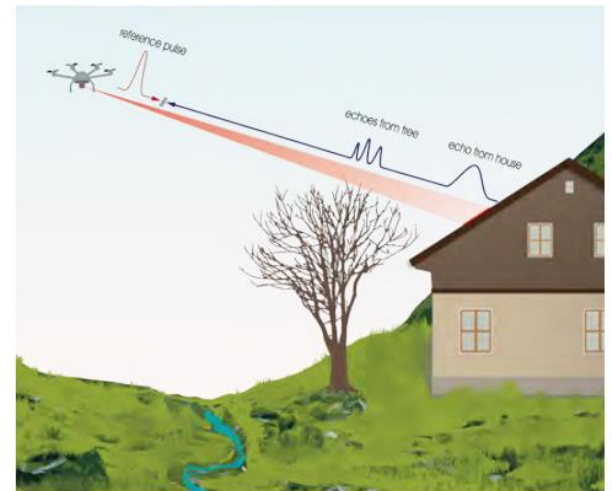
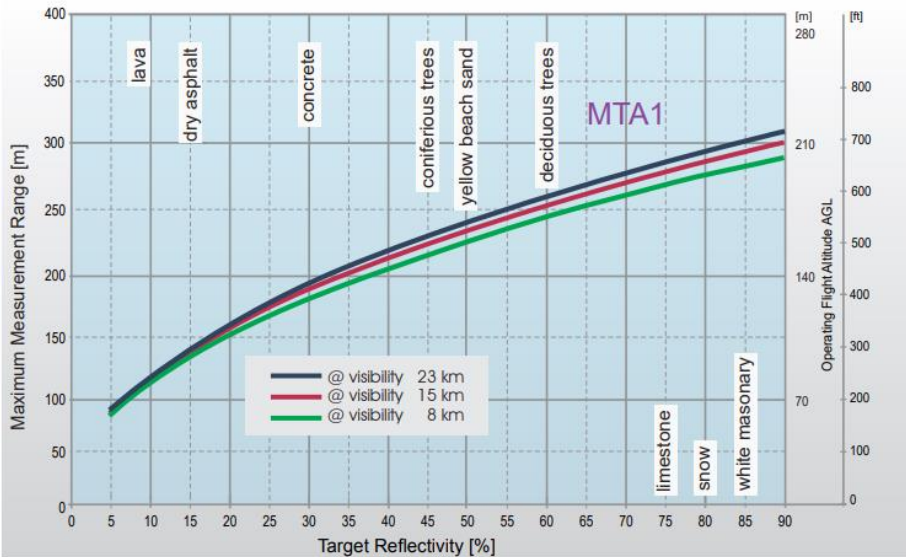
PRR = 100 kHz



360° FOV



Example: miniVUX-1UAV at 100,000 pulses/second  
range to target = 100 m, speed = 4 m/s  
Resulting Point Density ~ 40 pts/m²



MTA1: no ambiguity / one transmitted pulse „in the air“

The following conditions are assumed for the Operating Flight Altitude AGL

- target size ≥ laser footprint
- average ambient brightness
- operating flight altitude given at a FOV of +/-45°



MMS LiDAR Upgrade

# Snoopy miniVUX

Helicopter LiDAR Mount Upgrade



# Software



Our Software has been developed and fine-tuned over the course of 20 years, led by our founder and CEO, Jeff Fagerman. As a Licensed Land Surveyor and Computer Engineer, Jeff created ScanLook PC to be user friendly and powerful. Employing the latest machine learning our software allows customers to process LIDAR Data very fast, much faster than conventional Photogrammetry.

We provide the complete software suite for acquisition, geo-referencing, data merging, post-processing, and export.

LiDARUSA ScanLook PC, creates control point from the raw data, and uses a state of the art control point adjustment algorithm, the end result is a control point adjusted georeferenced point cloud. Output formats are numerous; las, laz, txt, XYZ, e57....

IE PPK, to create trajectory and post-process inertial data and GNSS data.

Export directly to topoDOT, AEC, Bentley, Microstation, Trimble Business Center, and VisionLiDAR formats to name a few.

## OTHER LIDARUSA SYSTEMS:

**REVOLUTION 120**

200+ Points per square meter	AGL 100 120M AGL	100+ Acres One Flight	3.8 cm @ 50 M AGL	1.73kg

[Download Datasheet](#)

**20 YEARS ANNIVERSARY LIDAR USA**

**One System. Multiple Uses. Yes, You Can Do Both!**

**SNOOPY VUX - RIGGL**

Compatible with most sensors. LiDAR and camera sensor. Compatible with all major mapping software. 100+ Acres per flight. 3.8 cm @ 50 M AGL. 1.73kg. 100+ Acres per flight. 3.8 cm @ 50 M AGL. 1.73kg.

**REVOLUTION HD**

200+ Points per square meter	AGL 100 120M AGL	60+ Acres One Flight	3.1 cm @ 50 M AGL	2.51kg

[Download Datasheet](#)