



Snoopy miniVUX2



50-100 Points
Per square meter



AGL
120+ Meters



100+ Acres
One Flight



Accuracy: 15 mm
Precision: 10 mm



3.479g
(includes dual cameras)



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



High Gains GNSS Antenna and mount - pairs with the IMU

Repackable - Non-Incendiary Charge DRS Parachute

Shock-absorbing Dampeners with mounting plate

Quick-Release Dove Tail Mount

RIEGL miniVUX-2UAV LiDAR sensor

Tactical Grade IMU, Data Logger, Control Box, Data Storage

Dimensions / Weight:

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

Weighing in at only 3.1kg, The Snoopy miniVUX2 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)	0.01-0.005	0.02-0.015
Velocity (m/s)	0.010	0.010
Roll & Pitch (deg)	0.006	0.015
True Heading (deg)	0.030	0.035
Data Update Rate (Hz)	200	200



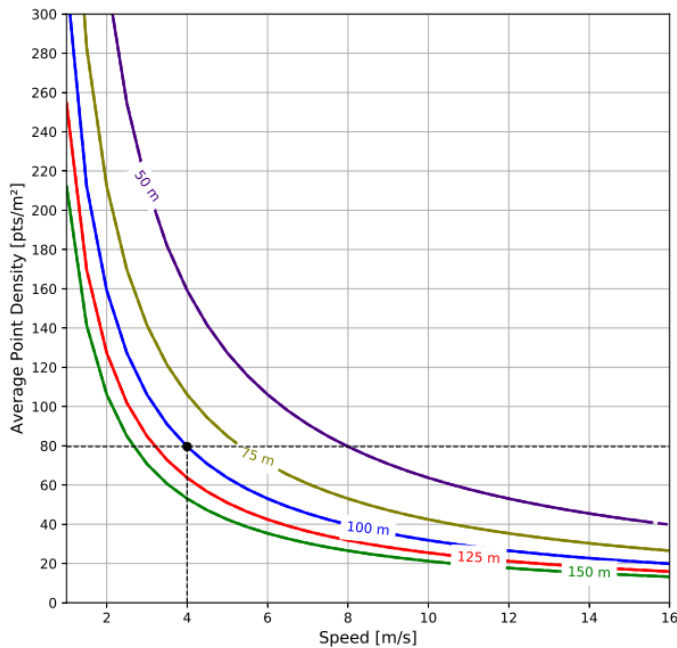
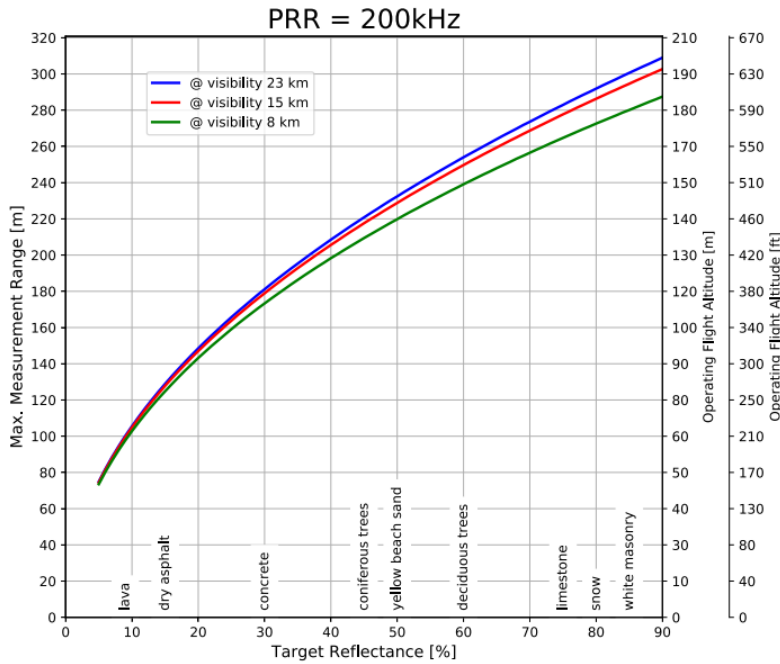
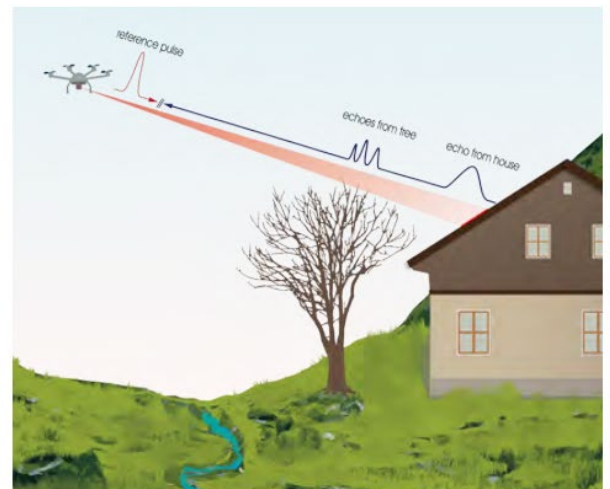
Camera options:

Dual 24MP/42MP, Single 24/42MP, Thermal, or Multispectral

360° FOV



Example: miniVUX-2UAV at 200,000 pulses/second, range to target = 100 m, speed = 4 m/s Resulting point density ~ 80 pts/m²

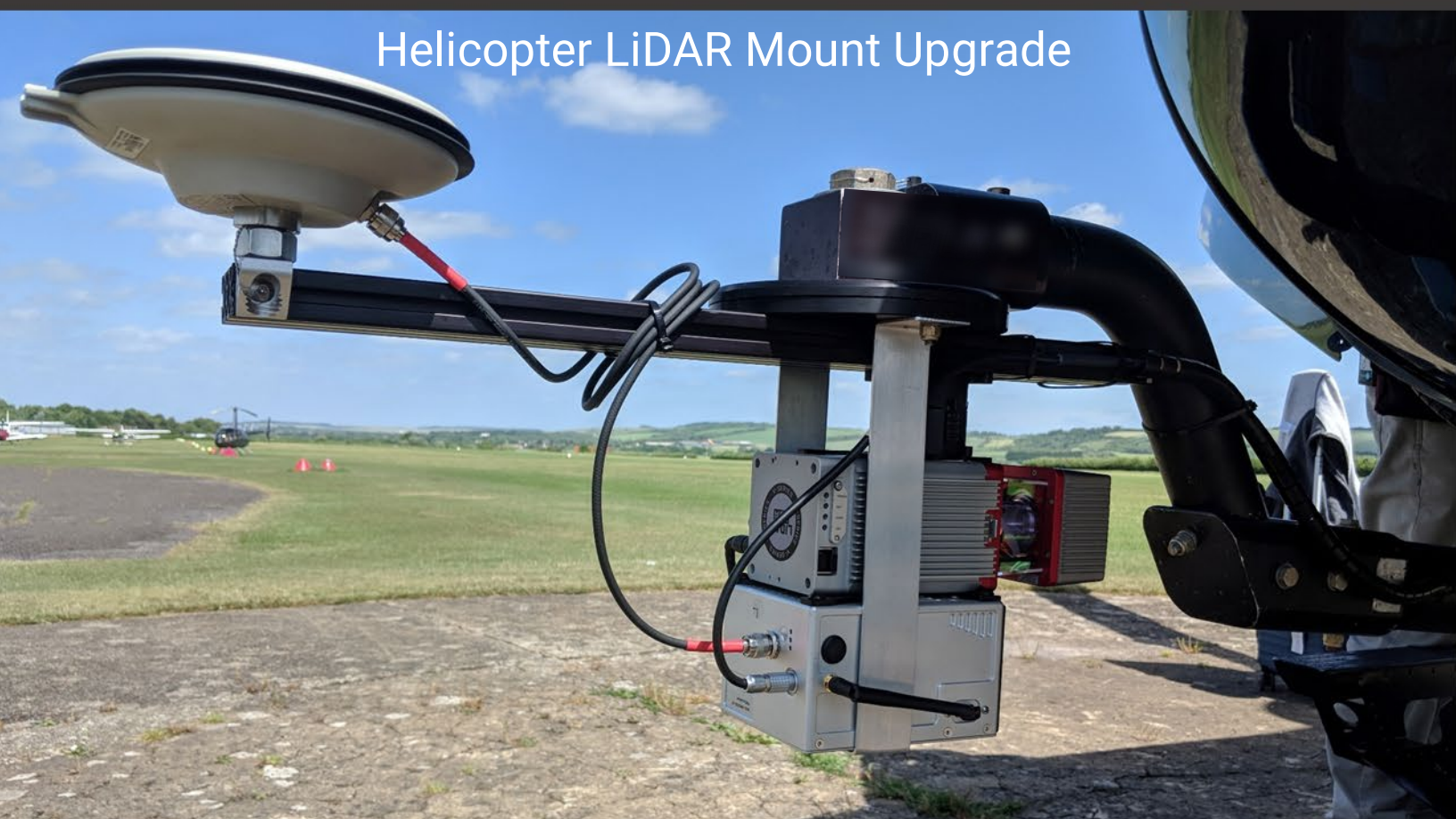




MMS LiDAR Upgrade

Snoopy miniVUX2

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, georeferencing, 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 100-1200 AGL	 100+ Acres One Flight	 3.8 cm @ 50 M AGL	 1.73kg
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[Download Datasheet](#)



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

SNOOPY VUX-RIEG

Complete with everything you'll need to get started. Includes ground control point, flight controller, and more. All in one system. Available for purchase or rental. [www.lidarusa.com](#)



REVOLUTION HD

 200+ Points per square meter	 AGL 50-800 AGL	 60+ Acres One Flight	 3.1 cm @ 50 M AGL	 2.51kg
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[Download Datasheet](#)