

Snoopy!

LiDAR USA is proud to introduce you to Snoopy. He's the result of years of R&D from LiDAR USA. While he may look like a cartoon character, don't let his appearance fool you. He's one tough cookie!

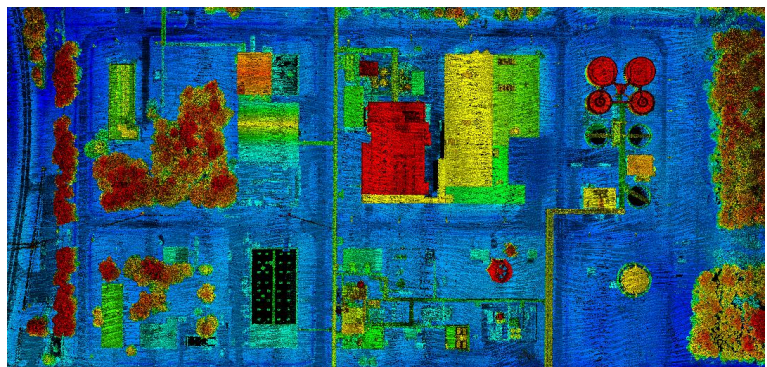
Snoopy is very much the Jack Russell terrier of mobile mapping systems (he is not a beagle – the beagle is a distant cousin). He's small, compact, and ready to work. While he's full of potential he doesn't cost a lot to motivate or maintain. His work ethics are beyond reproach.

Snoopy is first of all very versatile. He can be mounted on any vehicle with a clean surface suitable for his feet (i.e. the suction cup mounts) to get a firm grip. He's very flexible. While his legs can be rigid (he spends many hours standing at attention without flinching), they can also have one or more joints in them. He doesn't know it, but his legs are actually RAM Mounts. If Snoopy has to really cling to a surface he can form an unbreakable grip in the form of pipe clamps or something else appropriate (maybe even ratchet straps).



Snoopy is fond of flying and he doesn't like to take the back seat. In fact, in just over an hour Snoopy found his way to the front a gyroplane so he could be the Point Man of the flight. He'd never seen a gyroplane before but he wasn't going to be outdone by his owners. Fortunately, he was able to ride without a leash – he likes his freedom.

Snoopy flew 15 miles to an area to inspect two miles of roadway and an additional 1000 acres including an industrial complex with some heavy canopy in under an hour. He felt rather accomplished.





Snoopy loves exposure. So again, he jumped on my old Buick Regal car hood as we drove around a local neighborhood. He had his eyes on everything (yes, he is snoopy – hence the name). He sat at attention with his head forward the whole way and didn't miss a thing.

We love to boat on the Tennessee river and so does Snoopy. After a short drive to the boat harbor, Snoopy took his place on the windshield to get a good view. He's a polite little fellow and he does his best not to block the other passengers view. In this outing, he took in two bridges, one being a train trestle, and also the south-most river bank between the bridges.



We also have a farm and as you may suspect, Snoopy loves the outdoors. Whenever possible, Snoopy comes along for the ride. Whether it's plowing a small deer plot,

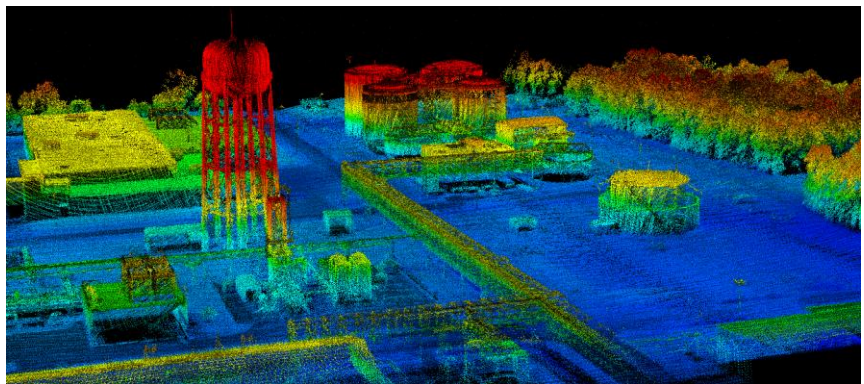
Or doing farm work with the tractor,



Or checking fences on the 6-wheeler. He even comes along if we go frog-gigging.



Snoopy was so excited about the gyroplane he wanted to show aerial image from an oblique view. He wants you know that the point density is about the same as what he'd see from the ground except he has better line-of-sight with almost no shadowing when he's airborne.



Snoopy's appetite varies but his desire to work is unlimited. He wants to go, go, go. Configured as shown in this article Snoopy does not require much power at all. A small garden tractor battery would be enough to keep him working all day long.

His navigational components are very configurable and require only a minimal draw on his power resources. If we swap out his eyes (i.e. lasers, or entire head as it may be), this will make a substantial difference. Currently Snoopy supports any configuration of Velodyne HD32 and FARO FOCUS scanners.

We have Jack Russell terriers and also Great Pyrenees dogs. Snoopy is definitely a Jack Russell. He's small, compact, and nothing but ready to work. Like any Jack Russell, when Snoopy looks into the mirror he sees nothing but a Great Pyrenees looking back. Snoopy is ready for any job.

Is Snoopy pedigreed? You bet. Being reared in the kennels of LiDAR USA he comes from a fine blood line with some very good trainers. He doesn't know it, but he is the father of a clone army waiting to be released. He can be configured with any of the NovAtel INS units (for guidance) and with the Velodyne HD32 or FARO FOCUS 3D (120 or x330) scanners. While we don't like to mention the possibility of mutations in his presence, he can be genetically altered to have multiple heads (such as 2 FARO's and 1 Velodyne). We can further "enhance" Snoopy by swapping out his guidance system – we just want to be sure it's the right thing to do as we think he's pretty good as he is.

Surprisingly enough, Snoopy is quite affordable. He ranges in price from \$70,000 to \$185,500. As shown in this introduction with just the Velodyne HD32 he price ranges from \$94,500 to \$159,500.

That's the quick introduction to Snoopy. We think he's quite the package. Contact us at jeff@lidarusa.com for more details or watch our site at www.lidarusa.com.