ScanLook 2.0 "Snoopy"

LiDAR USA's Mobile Mapping System

Snoopy Brings Productivity with Simplicity

LiDAR USA continues to provide ever smaller, less complicated, and fully functional mobile mapping solutions using the latest technology.

ScanLook 2.0, otherwise known as Snoopy, has superseded ScanLook 1.0 as our mobile mapping solution. Snoopy brings a significant reduction in size while at the same time offering an increase in scanner and INS configurations. This means the client can configure Snoopy to be tailored to their application. Snoopy is suitable for scanning rails, bridges, shorelines, power lines, roads, assets and much, much more.

While Snoopy embraces the latest scanners on the market, your investment in both new and old Z+F scanners is also secured.
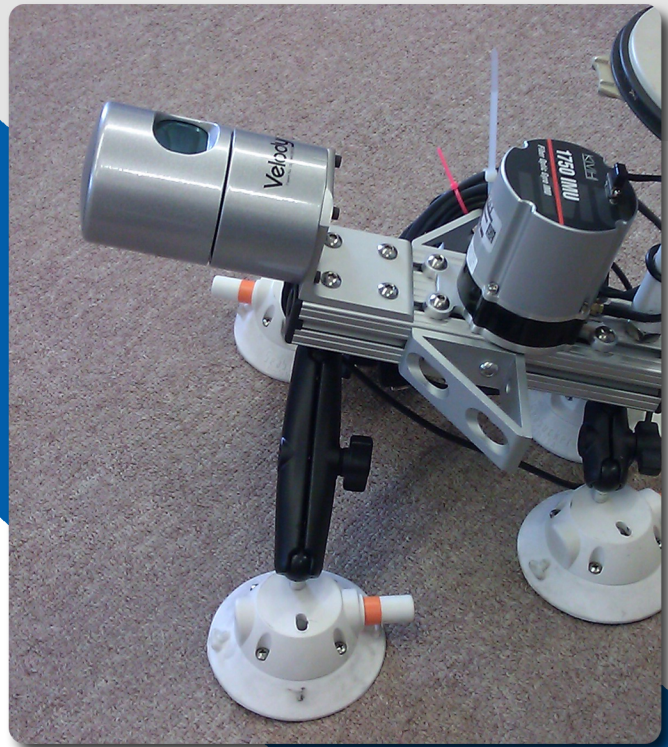
- Being very small has its advantages. Snoopy can be configured to fit in your carry-on luggage.

- Given a good clean surface, Snoopy's feet can grip most flat surfaces securely and at length. He doesn't mind being securely ratchet strapped if necessary.

- Snoopy is quick to rise. Give him a few moments to get his wits (INS initialization) and he's ready to work.

- Snoopy doesn't get lost. He's equipped for RTK or post processed navigational solutions.

- He is friendly and works well with others (like GIS and CAD packages).

- Quite the handsome chap, he can be equipped in a wide array of configurations. He dresses for whatever occasion you might have.

Snoopy can stand at attention for hours, ready to spring into action on short notice. Whether you need to scan a city scape for city planning, a raceway for a movie, a golf course for a video game, or a road for engineering, Snoopy is the right choice for the job. Oh, and he is light enough he can fly on most vehicles (so you can get that "birds eye view" of your project).

Snoopy Meets Velodyne

We are often asked why Snoopy is configured with the Velodyne. The answer is very simple. It looks AWESOME. It's true but that's not the reason.

The Velodyne Advantage:

- Small size, light weight. It is 5.7x2.0 inches and weighs less than 2 kg.
- It is very rugged and durable with an IP rating of 67.
- A 700 kHz point density.
- 360 degree horizontal field-of-view (FOV).
- 40 degree VFOV (+10 to -30 degrees).
- 80 meter range.
- Class 1 eye safe lasers.
- 1+ cm ranging accuracy.
- Operating temperature of -10 to 60 C.
- 32 lasers (hence very little shadowing).
- Mirror rotation rate up to 20 Hz.
- Almost maintenance free.
- Affordable.

As you can see from Snoopy's picture. The Velodyne makes him quite attractive while being very versatile and functional. He can be easily carried in one hand.

Snoopy Meets FARO

After we explain why Snoopy is configured with the Velodyne, most people are then puzzled as to why we would also adorn him with the FARO FOCUS products (120 and X330). Let's see why this makes sense.

The FARO FOCUS (X330) Advantage (fall 2013):

- The X330 weighs only 5.2 kg.
- It is still relatively small at 242x200x100 mm.
- The range is 330 meters.
- The ranging error is +/- 2 mm.
- It uses a Class 1 eye safe laser.
- The data rate is up to 976 kHz.
- The mirror rotation is up to 100 Hz.
- Sunlight insensitive (reduced noise).
- It is also a static scanner.

So why include the FARO scanner? High accuracy scans on hard surfaces for the most demanding jobs. The extra range is nice as well. Of course, not enough can be said about the dual-purpose static and mobile scan operation. One scanner for two purposes.

Snoopy Meets Z+F

Ok, so you might understand why we have the Velodyne and FARO scanners but then why include the Z+F scanners?

The Z+F Advantage:

Capitalize on existing hardware - re-implement as mobile scanners.
　　Low cost mobilization.
　　Continued ROI on original equipment.
　　Proven scanner.
Profiler is built for mobile scanning.
　　Up to 120 meter range.
　　Very high precision.
　　200 Hz mirror rotation rate.
　　-10 to 45 C operating range.
　　360 degree FOV.
　　A long trusted name in laser scanning.
　　Continued confidence.

Snoopy Meets YOU!

The only thing missing in your relationship with Snoopy is ownership. What can Snoopy bring to the table to win you over as a proud new owner?

Safety - Let Snoopy do the work while you enjoy the security and comfort of your vehicle.

Speed - Being mobile and moving at the speed of traffic, there is no way conventional or stop-and-go strategies can compete with a completely mobile solution. Cut weeks off from a project schedule.

Maximize ROI - Quite simply, Snoopy minimizes field work leaving the bulk of the manual labor to be done in the office at a much lower hourly rate.

Competitiveness - Snoopy enables even the smallest company to compete on big projects.

Environment - More than just green-friendly, Snoopy can get in and out of environments with only a short window of opportunity that would delay some projects by months.

Opportunity - Being able to get in and out quickly to complete jobs allows for more jobs. The small size and multiple configurations allow for expansion into other markets.

Appeal - Being cool has its perks. Heads turn, contracts follow.

You owe it to yourself to investigate Snoopy and what he can do for you. Don't be left strapped to a system that is inflexible, slow, or non-competitive whether it is another mobile mapping system or more conventional "feet on the ground" solution. Get the Snoopy advantage and lead the way.