

## Velodyne Presents Successful Implementation of HDL-32E LiDAR on UAV at sUSB Expo in San Francisco

Velodyne showcases 3D LiDAR sensors during the Small Unmanned Systems Business Exposition (sUSB Expo) on Friday July 26, 2013.

Morgan Hill, CA (PRWEB) July 25, 2013



Velodyne will present its latest successes in the world of Unmanned Aerial Vehicles (UAV) equipped with real-time, 3D LiDAR sensors during the Small Unmanned Systems Business Exposition (sUSB Expo) on Friday July 26, 2013.

During the two day event, taking place at the Golden Gate Club at the Presidio in San Francisco, Velodyne's Wolfgang Juchmann will be showcasing the advantages of its compact and lightweight HDL-32E LiDAR sensors for use on UAV's.

During a live demonstration of the technology, the audience can experience hands-on 3D data capturing at the beautiful setting of the Golden Gate Bridge. Juchmann's presentation will focus on recent advancements of combining the mobility of UAV's cost-effective aerial transportation platforms with established mapping technologies like Time-of-Flight 3D LiDAR.

A recent [proof of concept](#) by Phoenix Aerial Systems, flying Velodyne's HDL-32E on their Phoenix AL-2, combines the latest UAV, LiDAR and GNSS technology into a cost effective, accurate and compact aerial mapping solution. Data from a scan of the San Diego Chargers Stadium using Phoenix's Aerials unmanned LiDAR platform will be proof of the upcoming revolution of UAV's for aerial mapping.



Velodyne's HDL-32E scans San Diego Chargers Stadium from compact UAV.

More information regarding Velodyne's compact and lightweight HDL-32 LiDAR sensors can be found at <http://www.velodynelidar.com>.

For more information about Phoenix Aerial LiDAR, please visit <http://www.Phoenix-Aerial.com>.

### About Velodyne LiDAR:

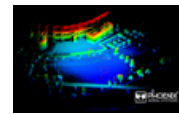
Velodyne, located in California's Silicon Valley, established its roots over 30 years ago. The company's LiDAR division evolved after founder and inventor, David Hall, competed in the 2004-05 DARPA Grand Challenge utilizing stereo-vision technology. Based on his experience during this challenge, David Hall recognized the limitations of stereo-vision and developed the HDL64 high-resolution LiDAR sensor. More recently, Velodyne has released a smaller, lightweight HDL32 sensor, available for many applications. Since its first commercial sale in 2007, Velodyne's LiDAR division has emerged as the leading developer of real-time 3D LiDAR sensor technology. Velodyne continues to build on its iconic history by introducing groundbreaking technology and design. As an all-encompassing technology company, Velodyne also consists of an Audio division and Marine division. For more information about Velodyne LiDAR, please visit <http://www.velodynelidar.com>.

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### Attachments



Point Cloud of San Diego Chargers Stadium taken with Velodyne's HDL-32E on Phoenix Aerial unmanned platform.





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