

Survey-grade Lidar Sensor for UAS



RIEGL Laser Measurement Systems has been developing their first survey-grade UAS Lidar sensor, the VUX-1, and the company will be presenting it later this month. The VUX-1 will be presented for the first time at the official launch event, ILMF, which will be held in Denver, USA, from 17 to 19 February.

The innovative sensor was designed to meet the challenges of emerging surveying solutions by UAS, gyrocopters, and ultra-light aircraft, both in measurement performance and in system integration. The VUX-1 is an ultra lightweight Lidar sensor with less than 4 kilograms (less than 9 pounds) overall weight, that can easily be mounted onto professional UAS/RPAS.

It has a 300 degree field of view and produces the extremely high quality Lidar data users expect from a RIEGL product. Internal storage offers the ability to collect data for several hours at altitudes/ ranges up to more than 1,000 ft. Scanner applications include, but are not limited to: agricultural and forestry, defence, wide area mapping, flood zone mapping, glacier and snowfield mapping, topography and mining, and the academic markets.

By introducing the VUX-1, RIEGL now offers a Lidar sensor that has been especially developed for the UAS and RPAS markets. The Austrian company expects tremendous growth in these fields and is proud to support these with the breakthrough VUX-1, said Dr. Johannes Riegl, RIEGL's CEO.

This VUX-1 will be on display during ILMF 2014 at the RIEGL USA booth (booth 36).

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