

# Application Examples RIEGL VUX-1 UAV LiDAR Sensor

This video demonstrates various application examples using the [VUX-1 UAV](#) sensor in Powerline Mapping, Archaeology, Terrain Mapping, Agriculture / Forestry and Infrastructure Mapping. The RIEGL VUX-1 UAV (former VUX-1) is a very lightweight and compact laser scanner, meeting the challenges of emerging survey solutions by UAS/UAV/RPAS, both in measurement performance as in system integration.

With regard to the specific restrictions and flight characteristics of UAS, the RIEGL VUX-1 UAV is designed to be mounted in any orientation and even under limited weight and space conditions. Modest in power consumption, the instrument requires only a single power supply. The entire data set of an acquisition campaign is stored onto an internal 240 GByte SSD and/or provided as real-time line scan data via the integrated LAN-TCP/IP interface.

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<https://www.gim-international.com/video/application-examples-riegl-vux-1uav-lidar-sensor-3>

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