



VERSATILE SOLUTIONS FOR PROFESSIONAL UAV-BASED SURVEYING MISSIONS

With a broad line of ultimate survey-grade airborne scanners especially developed for UAV/UAS/RPAS-based applications **RIEGL** provides first-class technique for this new dynamic topic of the commercial and civil surveying market. Laser scanning utilizing high-end unmanned airborne platforms provides the great possibility for data acquisition in hard-to-reach and/or dangerous areas with an excellent cost-to-benefit ratio for a variety of applications in surveying such as corridor mapping, pipeline inspection, mining, forestry, monitoring or archaeology.

Find the UAV LiDAR sensor or system that optimally suits your special requirements with regards to practical deployment and overall efficiency!

RIEGL's UAV LIDAR SENSORS



RIEGL miniVUX-1UAV

very compact & lightweight 1.55 kg / 3.4 lbs

- operating flight altitude up to 330 ft AGL
- range up to 250 m
- accuracy 15 mm, precision 10 mm
- 360° FOV
- suited for measuring snowy and icy terrains



RIEGL miniVUX-1DL „Downward-Looking“

compact & lightweight 2.4 kg / 5.3 lbs

- operating flight altitude up to 260 ft AGL
- range up to 200 m
- accuracy 15 mm, precision 10 mm
- 46° FOV
- design optimized for corridor mapping



RIEGL VUX-1UAV

compact & lightweight 3.5 kg / 7.7 lbs

- operating flight altitude up to 1,150 ft AGL
- range up to 920 m
- accuracy 10 mm, precision 5 mm
- 360° FOV
- RIEGL's high-end UAV sensor



NEW RIEGL VUX-240

compact & lightweight 3.8 kg / 8.4 lbs

- operating flight altitude up to 4,600 ft AGL
- range up to 1900 m
- accuracy 20 mm, precision 15 mm
- 75° FOV
- versatile scanner for using on UAS/UAV/RPAS and helicopters or small manned aeroplanes



Scan this QR code to watch the **RIEGL** videos on our YouTube Channel.

www.riegl.com





RiCOPTER with RIEGL VUX-SYS Integrated

VARIOUS USER-FRIENDLY SYSTEM INTEGRATION OPTIONS

RIEGL miniVUX-SYS with APX-15 UAV (especially for fixed-wing UAVs)



Delair DT26X fixed-wing integration example with RIEGL miniVUX-1DL LiDAR Sensor equipped with APX-15 UAV

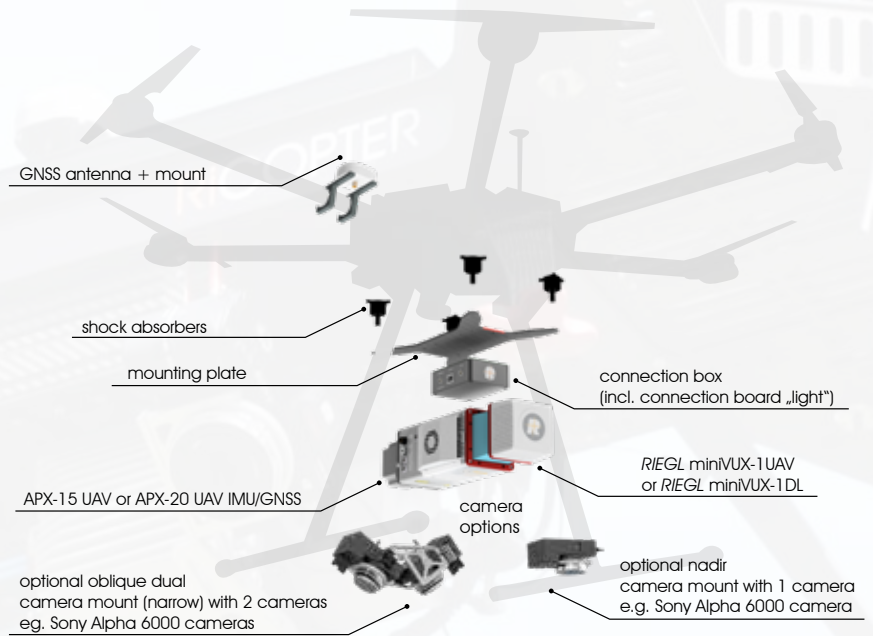
RIEGL miniVUX-SYS with APX-20 UAV (for fixed-wing, single-rotor or multi-rotor UAVs)



RIEGL miniVUX-1UAV LiDAR Sensor equipped with APX-20 UAV

RIEGL Integration Kit 600 (for multi-rotor UAVs)

- add-on to the RIEGL miniVUX-SYS coming with shock-absorbing mounting kit, power supply module and cabling
- total weight approx. 0.7 kg (without sensor and camera)
- easy and user-friendly installation



RIEGL VUX-SYS with APX-20 UAV (for UAS/UAV/RPAS, helicopters or small manned aeroplanes)



RIEGL VUX-1UAV LiDAR Sensor equipped with APX-20 UAV, Flir Tau 2 thermal camera, and Sony Alpha 7R III camera

multi-versatile system also used for MLS and ALS applications

RIEGL VUX-240 with APX-20 UAV (for UAS/UAV/RPAS, helicopters or small manned aeroplanes)



RiCOPTER with RIEGL VUX-240 LiDAR Sensor with APX-20 UAV fully integrated



Watch our videos!
youtube.com/rieglms

Find your perfect system!

Please contact sales@riegl.com / info@ricopter.com to get more detailed information on the available solutions and to find the system perfectly suited for your application and needs.

The RIEGL UAV LiDAR sensors & systems are designed & manufactured by RIEGL Laser Measurement Systems GmbH. It is distributed, supported and serviced by RiCOPTER UAV GmbH, also a RIEGL company.

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