NEW RIEGL

VQX-1 Wing Pod

The *RIEGL* VQX-1 is a compact, rugged, and aerodynamically shaped wing pod ready for user-friendly installation and straightforward application to facilitate various airborne mapping applications.

The versatile and almost freely configurable pod is designed to carry one *RIEGL* Laser Scanner (VQ-480II, VQ-580II, VUX-240 or VQ-840-G) as well as up to three high-resolution cameras and an appropriate high-end IMU/GNSS system.

EASA STC certification for Cessna 172-, 182- and 206-series is in progress. Upon completion, the *RIEGL* VQX-1 Wing Pod will be certified for the entire current* Cessna Single Piston Engine series.

* As of the issuing date of this info sheet the Cessna Single Piston Engine series consists of Cessna -172, -182 and -206 models.

Freely Configurable, Easily Mountable / Dismountable Airborne Laser Scanning Solution

Typical Applications

• Corridor Mapping • Archeology and Cultural Heritage Documentation • Terrain and Canyon Mapping • Flood Zone Mapping • Surveying of Urban Environments • City Modeling • Glacier and Snowfield Mapping • Construction-Site Monitoring • Power Line, Railway Track, and Pipeline Inspection • Wide Area Mapping • Agriculture & Forestry • Emergency Management Planning • Accident Investigation • Moist Grassland Mapping

www.riegl.com

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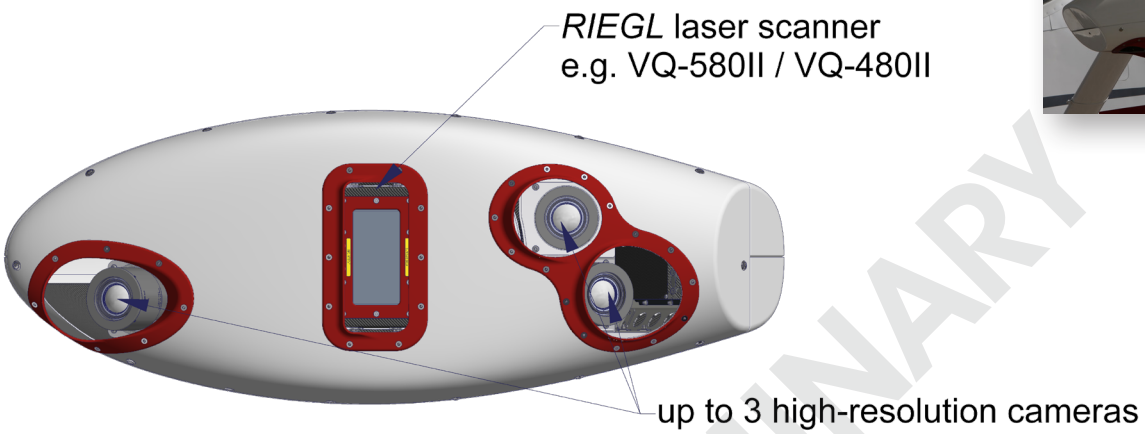
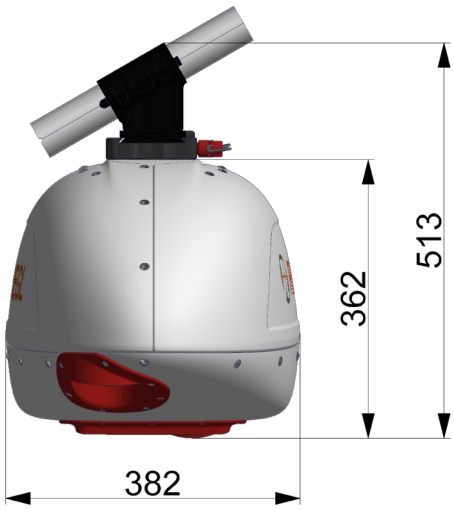
RIEGL VQX-1 Main Features & Key Facts

- robust und reliable wing pod
- uncompromising lightweight construction
- quick installation and removal (including power cabeling)
- GNSS antenna to be mounted appropriately
- EASA STC for Cessna 172-, 182- and 206- series in progress
- versatile configurability

RIEGL VQX-1 Technical Data





all dimensions in mm

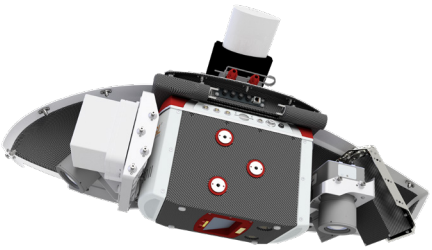
Integrable *RIEGL* Laser Scanners	VUX-240 or VQ-480 II or VQ-580 II or VQ-840-G
Scanner Performance	refer to the according *RIEGL* laser scanner data sheet
Pod Weight (weight of equipment to be added)	approx. 8.5 kg
IMU/GNSS Unit, e.g. Applanix AP60	refer to the according IMU/GNSS data sheet
Possible Camera Orientations	1 camera nadir or 2 cameras RBG/NIR nadir or 3 cameras forward / nadir / backward
Installation and Removal	quick installation and removal using the included mount; mounting and operation at the end-user´s responsibility

RIEGL VQX-1 Integration Options

The ***RIEGL* VQX-1** Wing Pod provides a wide range of sensor and camera installation options. *RIEGL* offers a system solution combining various *RIEGL* laser scanners with IMU/GNSS systems of different performance and optional cameras with various camera orientations.

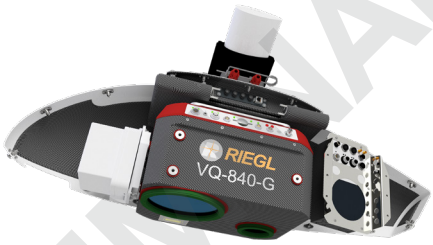
Integration Options

***RIEGL* VQX-1**
with VQ-580 II [1)]



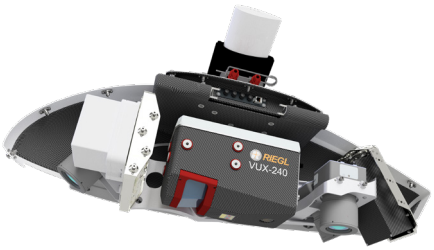
- *RIEGL* VQ-580 II Laser Scanner
- 3x high-resolution camera, e.g., Phase One iXM 100
- IMU/GNSS unit, e.g. Applanix AP60
- Control Unit

***RIEGL* VQX-1**
with VQ-840-G [1)]



- *RIEGL* VQ-840-G Topo-Bathymetric Laser Scanner
- IMU/GNSS unit, e.g. Applanix AP60
- Control Unit

***RIEGL* VQX-1**
with VUX-240 [1)]



- *RIEGL* VUX-240 Laser Scanner
- 3x high-resolution camera, e.g., Phase One iXM 100
- IMU/GNSS unit, e.g. Applanix AP60
- Control Unit

1) See technical details in the corresponding datasheet

RIEGL's Cessna T206H test plane equipped with two VQX-1 wing pods

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