

**NEW RIEGL**

# VQX-2 Helicopter Pod



The *RIEGL* VQX-2 Helicopter Pod is a light-weight and streamlined pod that offers space for the integration of larger laser scanners and additional sensors.

The design enables userfriendly installation on suitable support arms of helicopters and facilitates various airborne mapping applications.

The pod is designed to carry one *RIEGL* high performance airborne laser scanner as well as up to five high-resolution cameras and an appropriate high-end IMU/GNSS system.

## Helicopter Pod for Airborne Laser Scanning (ALS)

### Typical Applications

• Corridor Mapping • High Point Density Mapping • Wide Area / High Altitude Mapping • Mapping of Complex Urban Environments • Terrain and Canyon Mapping • City Modeling • Glacier and Snowfield Mapping • Construction-Site Monitoring • Power Line, Railway Track, and Pipeline Inspection • Emergency Management Planning • Accident Investigation • Moist Grassland Mapping • Agriculture & Forestry • Topography in Open-Cast Mining



[www.riegl.com](http://www.riegl.com)

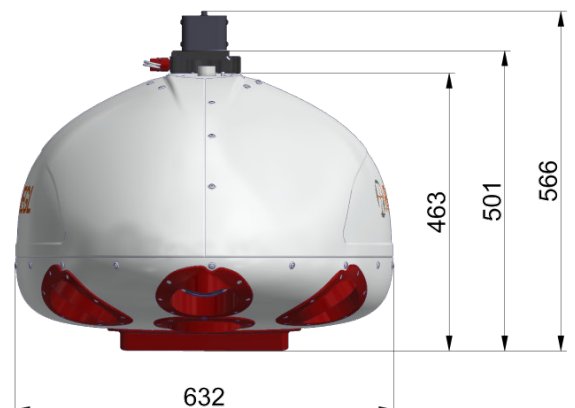
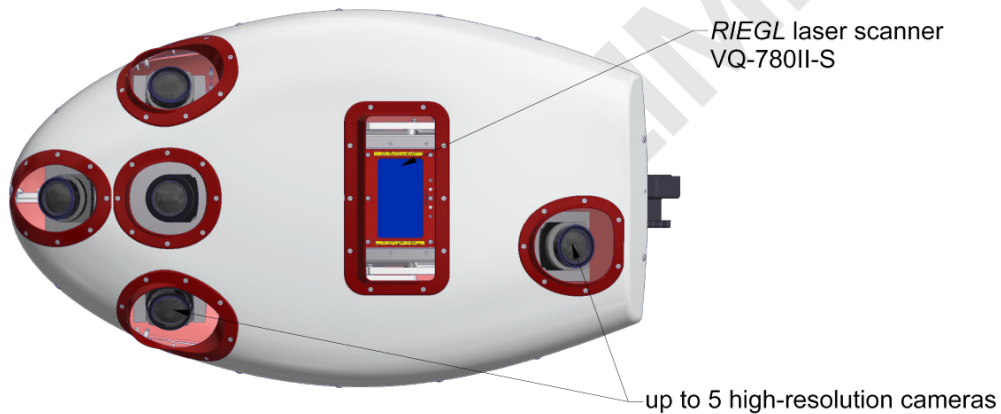


## RIEGL VQX-2 Main Features & Key Facts

- robust and reliable helicopter pod
- uncompromising lightweight construction
- quick installation and removal
- turn-key solution ready to install (including power cabling)
- GNSS antenna to be mounted appropriately
- Minor Change Approval for Airbus Helicopters AS350 series



## RIEGL VQX-2 Technical Data



all dimensions in mm



## RIEGL VQX-2 with RIEGL VQ-780II-S integrated

The **RIEGL VQX-2** Helicopter Pod can be delivered with the *RIEGL VQ-780II-S* Waveform Processing Airborne Laser Scanner fully integrated. Additionally, the system comes with a high-performance IMU/GNSS system and optional cameras with various camera orientations.



<b>Integrable RIEGL Laser Scanners</b>	VUX-120 <sup>23</sup> , VUX-160 <sup>23</sup> , VUX-180 <sup>24</sup> , VUX-240 <sup>24</sup> , VQ-480II, VQ-580II-S, VQ-780II-S
<b>Scanner Performance</b>	refer to the according RIEGL laser scanner data sheet
<b>Max. Pod Weight</b> (all components included)	55 kg
<b>IMU/GNSS Unit, e.g. Applanix AP60</b>	refer to the according IMU/GNSS data sheet
<b>Possible Camera Orientations</b>	1 camera <i>nadir</i> or 2 cameras <i>RGBnadir</i> / <i>NIR nadir</i> or 3 cameras <i>forward</i> / <i>nadir</i> / <i>backward</i> or 4 cameras <i>forward</i> / <i>RGB nadir</i> / <i>NIR nadir</i> / <i>backward</i> or 5 cameras <i>forward</i> / <i>lefthand sideward</i> / <i>righthand sideward</i> / <i>nadir</i> / <i>backward</i>
<b>Installation and Removal</b>	quick installation and removal using the included mount; mounting and operation at the end-user's responsibility



RIEGL's VQX-2 Helicopter Pod mounted to an Airbus Helicopters AS350.





at a glance

**RIEGL VQX-2**

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