NEW RIEGL
VQX-2 Helicopter Pod

The *RIEGL* VQX-2 Helicopter Pod is a lightweight 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

You Tube
Watch our videos!
youtube.com/riegllidar

www.riegl.com
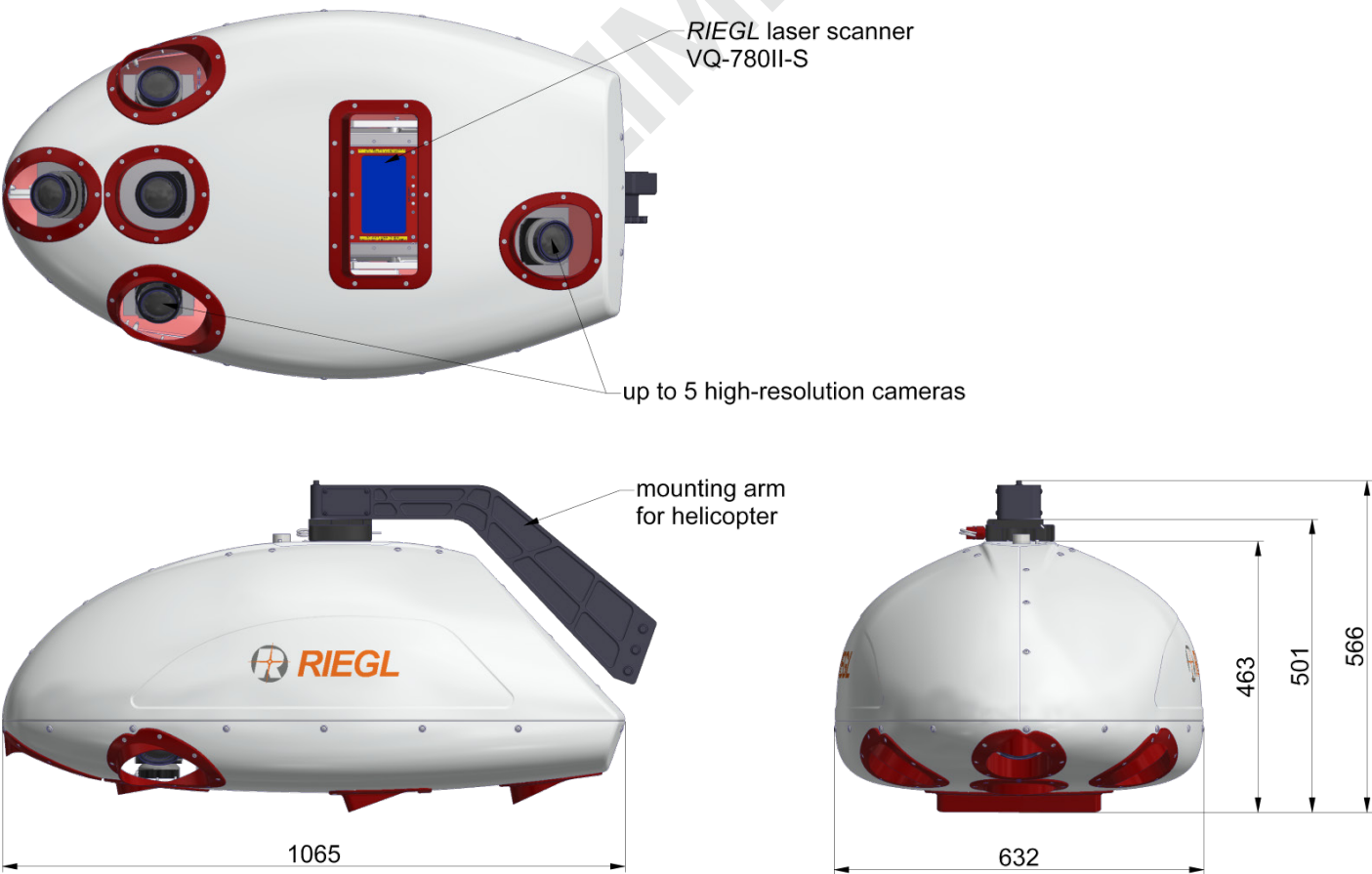
RIEGL®

www.riegl.com

RIEGL®

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
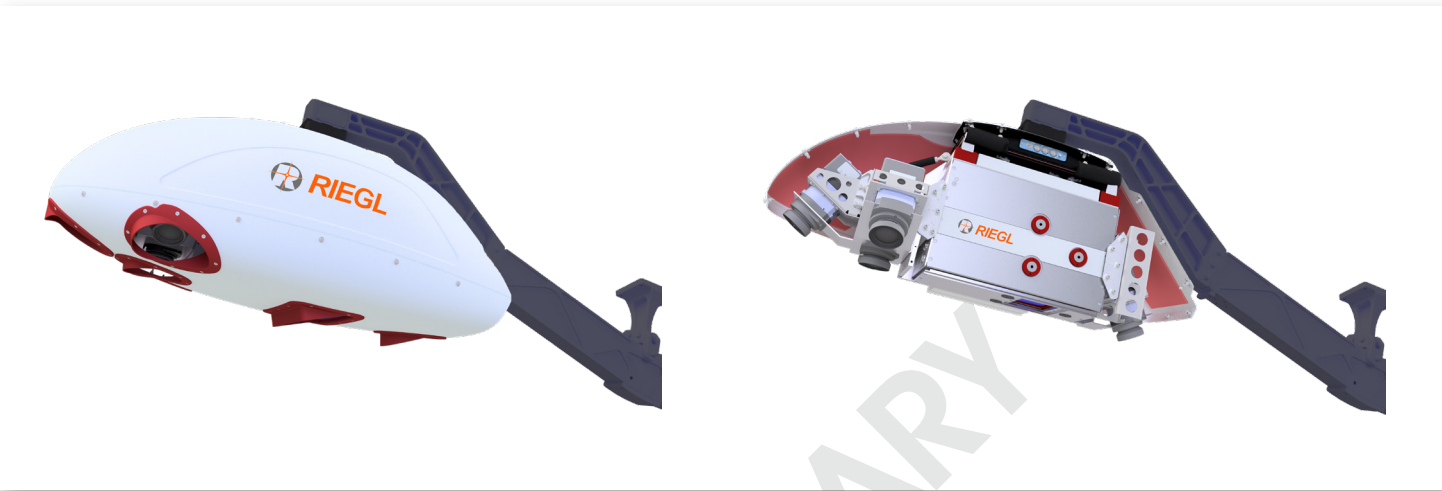- Minor Change Approval for Airbus Helicopters AS350 series

RIEGL VQX-2 Technical Data

RIEGL laser scanner VQ-780II-S

up to 5 high-resolution cameras

mounting arm for helicopter

463
501
566

1065

632

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 intgrated and the required Supplemental Type Certificate (STC).
Additionally, the system comes with a high-performance IMU/GNSS system and optional cameras with various camera orientations.

Integrable *RIEGL* Laser Scanners	VUX-120[23], VUX-160[23], VUX-180[24], VUX-240[24], VQ-480II, VQ-580II-S, VQ-780II-S
Scanner Performance	refer to the according *RIEGL* laser scanner data sheet
Max. Pod Weight (all components included)	55 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 *RGB nadir / NIR nadir* or 3 cameras *forward / nadir / backward* or 4 cameras *forward / RGB nadir / NIR nadir / backward* or 5 cameras *forward / lefthand sideward / righthand sideward / nadir / backward*
Installation and Removal	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.