## Interface Unit for Storage of Airborne LiDAR Data and Camera Data

# REGL VQ-IU

The *RIEGL*® VQ-IU Interface Unit is universally suited to store online waveform scan data and camera image data acquired with *RIEGL* laser scanning systems.

Four removable drive carriers with integrated Solid State Drives are used to meet the requirements of data storage.

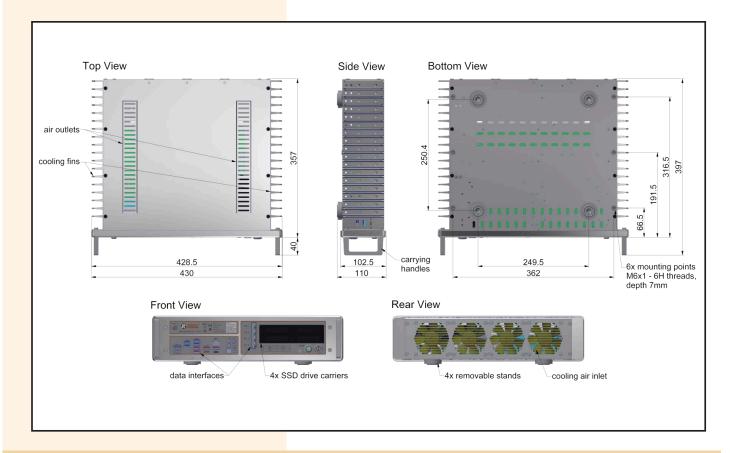
Data rates of up to 1000 MByte/sec per SSD enable uninterruptible storage of data covering the requirements of current and future generations of *RIEGL* high speed laser scanning systems.

- Solid State Drives (SSD) 4 x 2.5"
- SFP+ data interfaces
- Removable drive carriers
- Data rate (WRITE) up to 1000 MByte/sec per SSD

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# Dimensional Drawings RIEGL VQ-IU



## Technical Data RIEGL VQ-IU

#### Data Storage Performance

Storage Capacity Frame Rate Data Rate (WRITE) Data Rate (READ)

USB Adapter

 Subject to rapid technical change, storage capacity of Solid State Drives may differ from values given at the time of datasheet's issue.

### Data Interface

Storage Media Interfaces High Speed Ethernet Interfaces USB

LAN-TCP/IP Interfaces Display

#### General Technical Data

Power Supply Input Voltage
Current Consumption
Main Dimensions (LxWxH)
Weight
Max. Flight Altitude (operating / not operating)
Temperature Range

4x 1.92 TByte <sup>1)</sup> (higher capacities available on request) 1.5 fps (6x PhaseOne iXM-150, data format iiq-s) up to 1000 MByte/sec per SSD<sup>2)</sup> up to 3300 MByte/sec<sup>2)</sup> 450 MByte/sec

2) The respective data rates depend on the SSDs used and can therefore vary.

4x 2.5" NVMe SSD on removeable drive carrier
4x enhanced small form-factor pluggable (SFP+, 10 Gbit/s)
4x USB-A 3.2 (5 Gbit/s, blue)
4x USB-A 3.2 (10 Gbit/s, red)
1x USB-C 3.1 (10 Gbit/s)
1x USB-C 3.2 (20 Gbit/s)
1x 2.5 GBase-T RJ45
1x HDMI 2.1
1x Display Port 1.4

18 - 32 V DC
up to 7 A @ 24 V DC
430 x 397 x 110 mm
approx. 10.3 kg (4x drive carriers and SSDs included)
18 500 ft (5 600 m) above Mean Sea Level (MSL)
0 °C up to +40 °C (operation) / -10 °C up to +50 °C (storage)



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