

Interface Unit for Storage of Airborne LiDAR Data and Camera Data

RIEGL VQ-IU

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

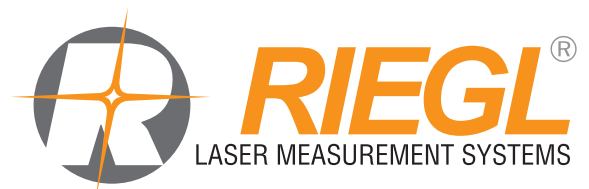
Four removable drive carriers with integrated Solid State Drives are used to meet the requirements of data storage.

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

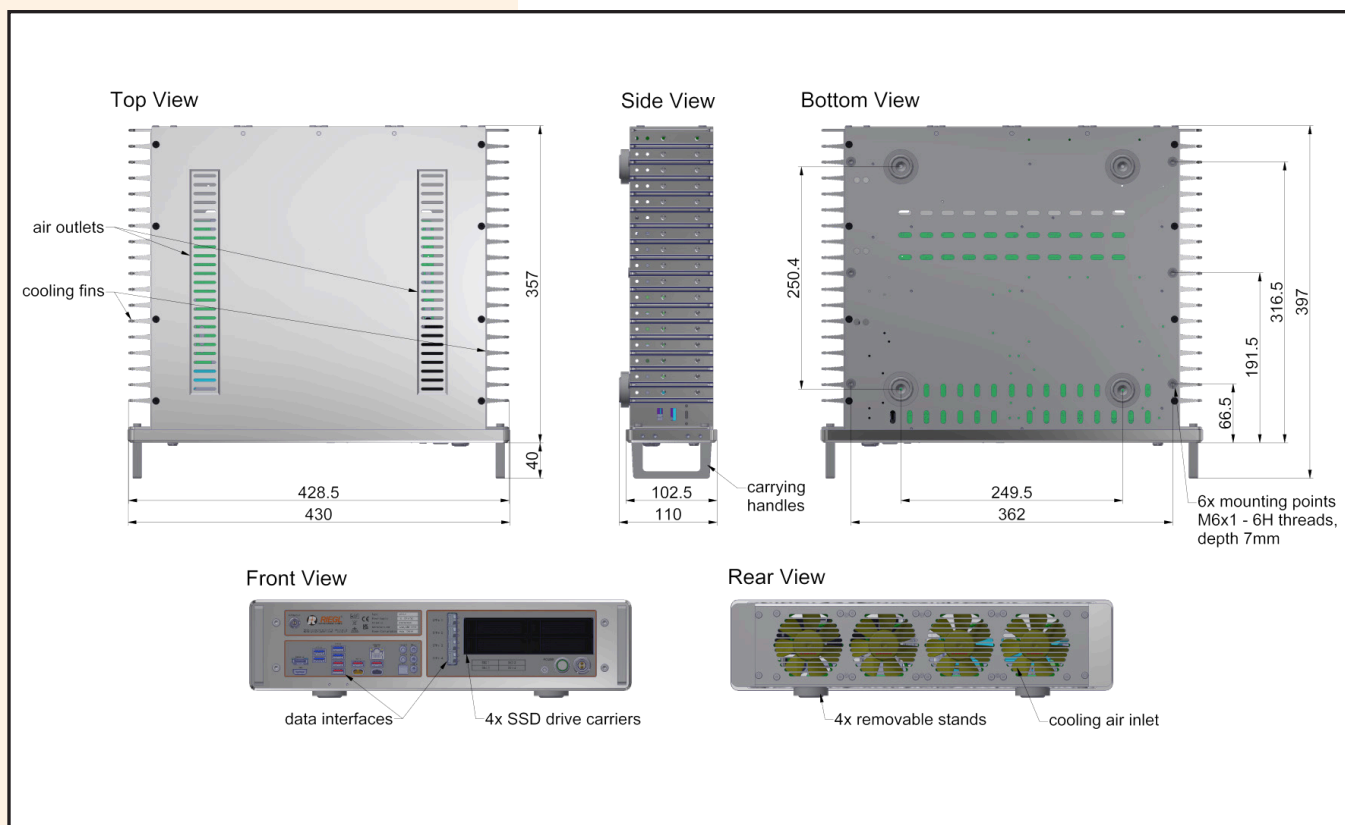
- Solid State Drives (SSD) 4 x 2.5"
- SFP+ data interfaces
- Removable drive carriers
- Data rate (WRITE) up to 1000 MByte/sec per SSD



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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

4x 1.92 TByte ¹⁾ (higher capacities available on request)
1.5 fps (6x PhaseOne iXM-150, data format iiq-s)
up to 1000 MByte/sec per SSD²⁾
up to 3300 MByte/sec²⁾
450 MByte/sec

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

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

Data Interface

Storage Media Interfaces
High Speed Ethernet Interfaces
USB

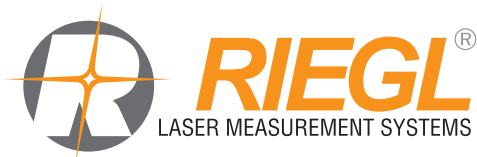
4x 2.5" NVMe SSD on removeable drive carrier
4x enhanced small form-factor pluggable (SFP+, 10 MByte/sec)
4x USB-A 3.2 (5 Gbits/s, blue)
4x USB-A 3.2 (10 Gbits/s, red)
1x USB-C 3.1 (10 Gbits/s)
1x USB-C 3.2 (20 Gbits/s)
1x 2.5 GBase-T RJ45
1x HDMI 2.1
1x Display Port 1.4

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

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)
16 400 ft (5 000 m) / 18 000 ft (5 500 m) above Mean Sea Level (MSL)
0°C up to +40°C (operation) / -10°C up to +50°C (storage)



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