

RIEGL DR1560ii

The **RIEGL® DR1560ii**, the successor of **RIEGL's** proven DR1560i, is the accompanying digital data recorder to the state-of-the-art **RIEGL** Airborne Laser Scanners.

Two removable drive carriers with integrated Solid State Drives are used to meet the requirements of data storage, a 3.5" GUI is offered for convenient operation.

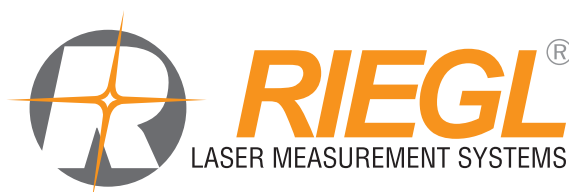
Providing various data interfaces the DR1560ii is universally suited to store data acquired with **RIEGL** full waveform laser scanners.

Using solid state drives increases the reliability in harsh environment and at high flying altitudes. The drives allow immediate access to data already acquired, ready to be analyzed on the fly or in the office. Data rates of up to 400 MBytes/sec guarantee uninterruptible storage of data covering the requirements of actual and future generations of **RIEGL** high speed laser scanners. Additionally an online data integrity check is performed prior transferring the scan data to the solid state drives.

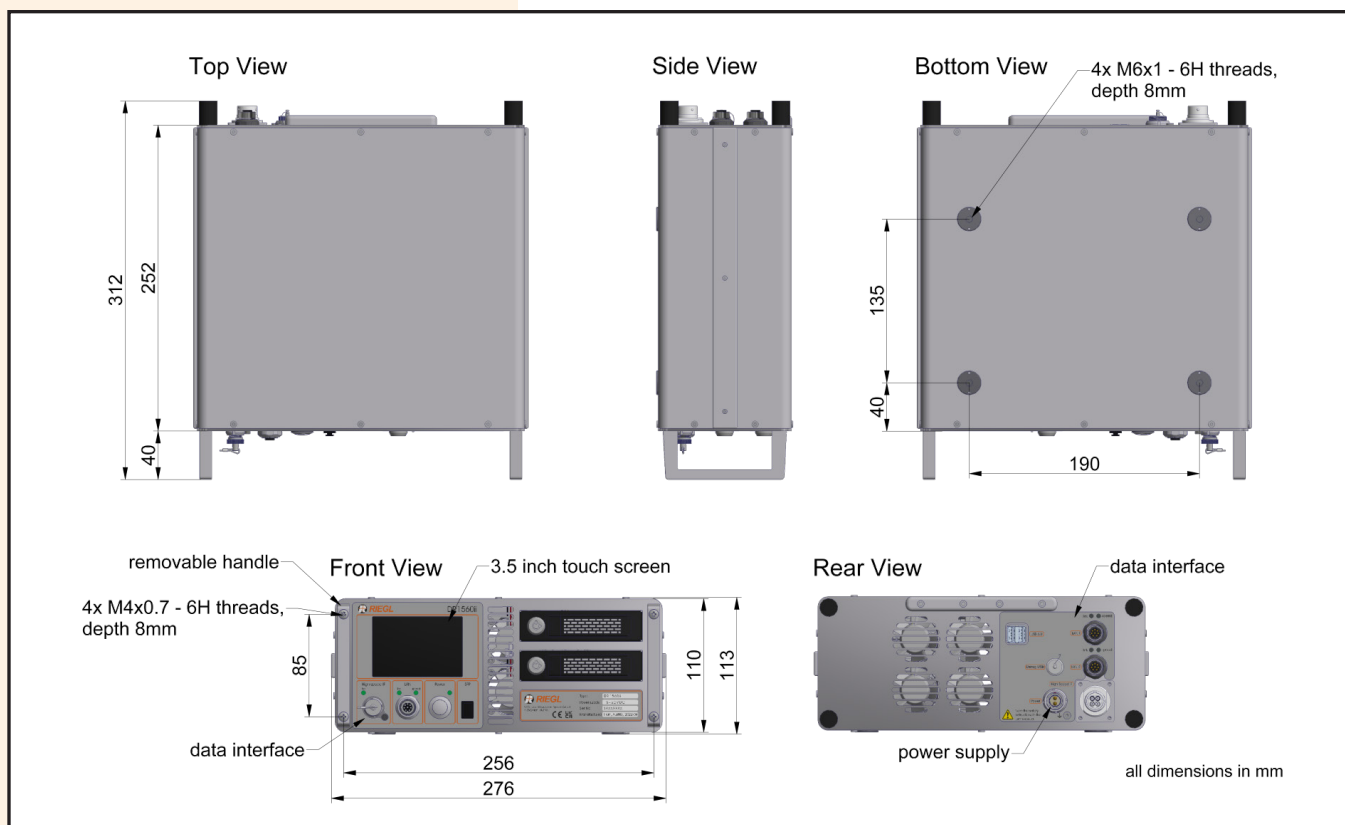
- **Solid State Drives (SSD) 2x 2.5"**
- **Fiber coupled high speed data interface**
- **Removable drive carriers**
- **Up to 56 hours airborne data logging capacity**
- **Data rate (WRITE) up to 400 MByte/sec per interface**
- **Online data integrity check**



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Dimensional Drawings *RIEGL* DR1560ii



Technical Data *RIEGL* DR1560ii

Data Recorder Performance

Storage Capacity	2x 4 TByte ¹⁾
Data Rate (WRITE)	up to 2x 400 MByte/sec
Logging Capacity ²⁾	
using 2x 4 TByte SSD	typically 56 h
Data Rate (READ) ³⁾	up to 600 MByte/sec
USB Adapter	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) at 1000 kHz laser pulse repetition frequency with smart waveform recording of the *RIEGL* VQ-1560 II-S scanner, average 2 targets, 60° scan angle

3) removable hard disk in mounting frame with PCIe interface on up to date PC

Data Interface

Interfaces

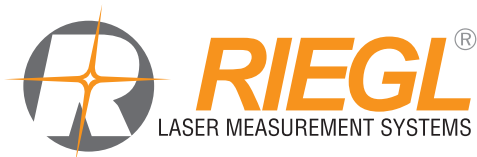
1x High Speed Serial Data Link
 1x Small Form-Factor Pluggable Transceiver (SFP)
 1x High speed optical data link with 2 independent channels
 3x GigE-LAN
 PCIe on removable drive carrier

Debug Interface

USB 2.0

General Technical Data

Power Supply Input Voltage	18 - 32 V DC
Current Consumption	up to 3 A @ 24 V DC (up to 5 A @ 24 V DC with active heating)
Main Dimensions (LxWxH)	312 x 276 x 113 mm (removable handles mounted)
Weight	approx. 5.2 kg (2 drive carriers included)
Max. Flight Altitude (operating / not operating)	18 000 ft (5 500 m) above Mean Sea Level (MSL)
Temperature Range	0°C up to +40°C (operation) / -10°C up to +50°C (storage)



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