

DR560

The **RIEGL® DR560** is the accompanying Digital Data Recorder to the **RIEGL Airborne Laser Scanners LMS-Q560 and LMS-Q680**.

The **RIEGL** airborne laser scanners provide full waveform digitizing and deliver raw sample data at a high measurement frequency. Large amounts of sample data are produced and have to be stored at extremely high data output rates.

The **RIEGL** Data Recorder DR560 represents a high-performance and reliable storage device which comprises two hard disks operating in different operation modes. Depending on the mode either storage capacity, data rate or reliability is increased.

High performance and reliable storage device

Pressure-sealed housing for high altitude operation

Wide operating temperature range

Storage capacity up to 1000 GByte

Up to 24 hours airborne data logging capacity

Input data rate up to 80 MByte/sec

Supports RAID 0 and RAID 1

Online data integrity check

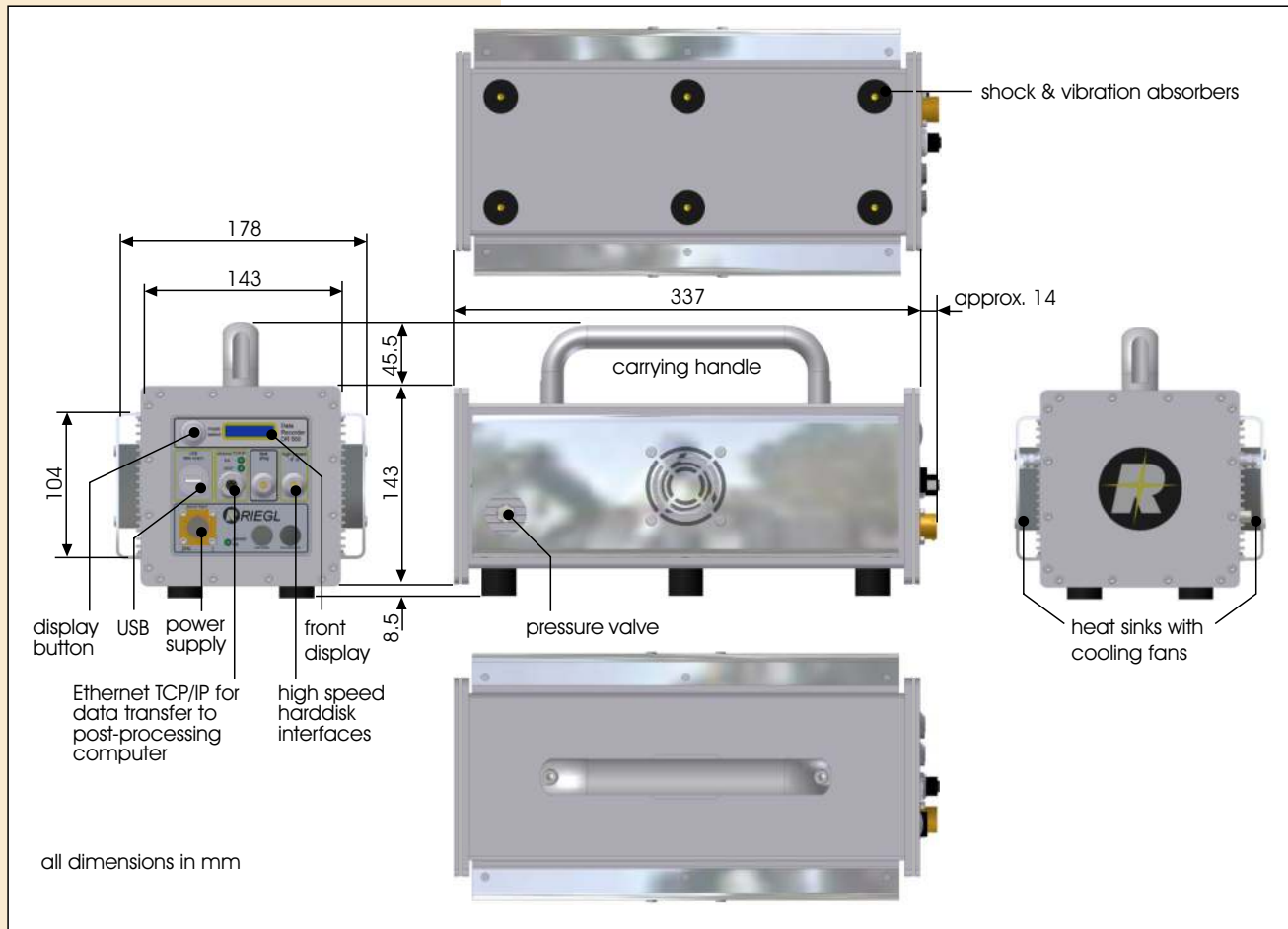


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RIEGL®
LASER MEASUREMENT SYSTEMS

Dimensional Drawings RIEGL DR560



Technical Data RIEGL DR560

Data Recorder Performance

	Single Hard Disk	RAID 0	RAID 1
Storage Capacity	2 x 500 GByte	1000 GByte	500 GByte
Data Rate (Input)	up to 40 MByte/sec	up to 80 MByte/sec	up to 40 MByte/sec
Logging Capacity ¹⁾	typically 2 x 12 h	typically 24 h	typically 12 h
1) at 100 kHz laser pulse repetition frequency of the LMS-Q560 scanner, 2 targets (200 Bytes/Measurement), 45° scan angle			
Data Rate (Output)	Web Server up to 5 MByte/sec	USB up to 25 MByte/sec	

Data Interfaces

Input Interface
Output Interface

High Speed Serial Data Link
High Speed Universal Serial Bus 2.0

General Technical Data

Power Supply
Current Consumption
Main Dimension (L x W x H)
Weight
Protection Class
Max. Flight Altitude (operating)
Max. Flight Altitude (not operating)
Temperature Range

18 - 32 V DC
approx. 3 A @ 24 V DC
337 x 178 x 197 mm
approx. 7 kg
IP64
16 500 ft (5 000 m) above MSL
18 000 ft (5 500 m) above MSL
0°C up to +40°C (operation) / -10°C up to +50°C (storage)



RIEGL[®]
LASER MEASUREMENT SYSTEMS

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