

# 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**

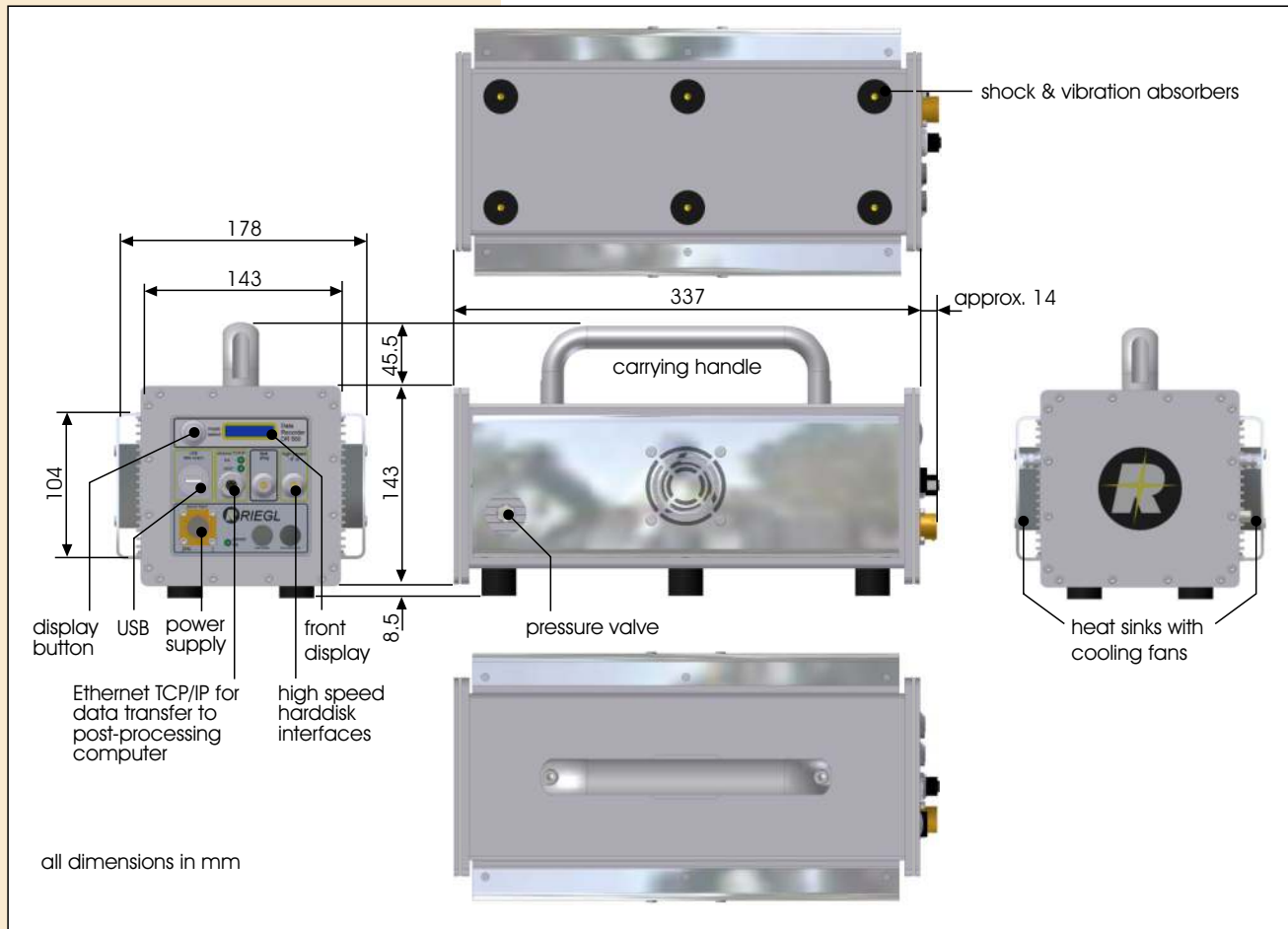


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**RIEGL®**  
LASER MEASUREMENT SYSTEMS

# 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 <sup>1)</sup>	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			
	Web Server	USB	
Data Rate (Output)	up to 5 MByte/sec	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**<sup>®</sup>  
LASER MEASUREMENT SYSTEMS

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