

RIEGL VZ-4000[®]

- **very long range up to 4000 m**
- **eye safe operation at Laser Class 1**
- **wide field of view, 60° x 360°**
- **high speed data acquisition up to 147,000 meas. / second**
- **high accuracy, high precision ranging based on echo digitization and online waveform processing**
- **multiple target capability - unlimited number of targets**
- **optional waveform data output**
- **built-in calibrated digital camera**
- **on-board inclination sensors**
- **integrated L1 GPS receiver with antenna**
- **integrated compass**
- **built-in SSD data storage media**
- **compact, rugged and lightweight design**



This new 3D VZ-Line Laser Scanner offers superior and unrivalled long range measurement performance of up to 4000 m reflectorlessly while still maintaining completely eye safe operation (Laser Class 1).

RIEGL's unique V-Line technology is based on echo digitization and online waveform processing and is the key to enable such extreme long range measurements. The VZ-4000 operates even in poor visibility and demanding multi target situations caused by dust, haze, rain, snow, etc. which are frequently found in difficult environments such as mine sites.

Modes of Operation:

- stand-alone operation with integrated RiTouch software and 7" touchscreen
- remote control via web interface with any standard tablet PC or mobile device via WiFi
- remote operation with RISCAN PRO on a notebook via LAN or WiFi connection
- customized operation by third party tools / applications based on RIEGL's well documented interfaces and scanner libraries, e.g. RiVLib

Typical applications include

- **Topography & Mining**
- **Long Range Monitoring**
- **Civil Engineering, e.g., for Skyscrapers**
- **Archaeology**



visit our website
www.riegl.com

