

NEW

RIEGL VZ-400i



World Premiere at
INTERGEO 2015



RIEGL's VZ-400i is the latest advancement in 3D laser scanning technology based on its new, innovative processing architecture.

With this advanced processing technology, data acquisition and simultaneous geo-referencing, filtering and analysis become real-time. The VZ-400i is the fastest end-to-end Terrestrial Laser Scanning System on the market, setting the benchmark in 3D Laser Scanning, again.



NEW RIEGL VZ-400i

High Performance 3D Laser Scanner *Redefining Productivity!*

Typical Applications

- Architecture & Facade Measurements
- As-Built Surveying
- Archeology & Cultural Heritage Documentation
- City Modeling
- Tunnel Surveying
- Civil Engineering
- Forestry
- Research
- Monitoring
- Topography



www.riegl.com



RIEGL LMS GmbH, Austria

RIEGL USA Inc.

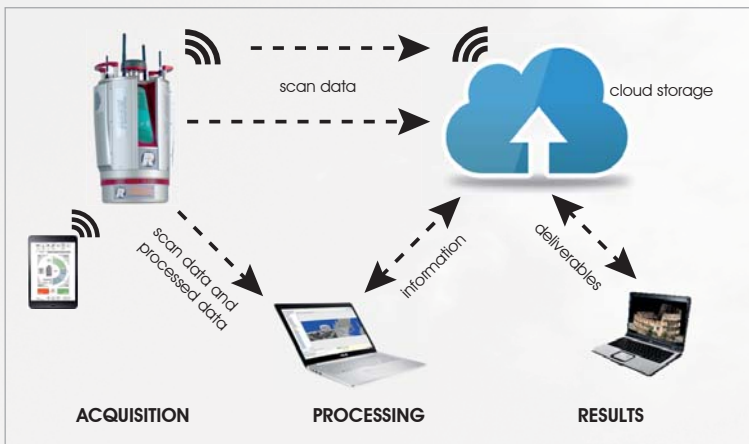
RIEGL Japan Ltd.

RIEGL China Ltd.

RIEGL VZ-400i Main Features

- ultra high speed data acquisition
- 1.2 MHz laser pulse repetition rate
- 5 mm accuracy
- 800 m range
- real-time registration and processing
- cloud connectivity via Wi-Fi and 4G LTE
- user friendly touchscreen interface
- MEMS IMU for pose estimation
- advanced flexibility through support for external peripherals and accessories

Cloud Connectivity RIEGL VZ-400i



The highly advanced processing technology of RIEGL's VZ-400i allows data acquisition, simultaneous geo-referencing, filtering and analysis in real-time.

RIEGL VZ-400i Technical Data

- Max. Measurement Range (natural targets $\rho \geq 90\%$)
- pulse repetition rate PRR
- full waveform processing
- optional camera
- multiple target capability
- Laser Class 1
- Wi-Fi and 4G LTE

Laser Pulse Repetition Rate PRR (peak)	100 kHz	300 kHz	600 kHz	1,200 kHz
Max. Effective Measurement Rate (meas./sec)	42,000	125,000	250,000	500,000
Max. Measurement Range ($\rho \geq 90\%$)	800 m	480 m	350 m	250 m
Max. Measurement Range ($\rho \geq 20\%$)	400 m	230 m	160 m	120 m
Minimum Range	1.5 m			
Accuracy / Precision	5 mm / 3 mm			
Field of View (FOV)	100° vertical / 360° horizontal			
Eye Safety Class	Laser Class 1 (eyesafe)			
Main Dimensions (width x height) / Weight	206 mm x 308 mm / 9.7 kg			

Further details to be found on the current RIEGL VZ-400i Data Sheet.



RIEGL VZ-400i Data Sheet



Watch our videos!
youtube.com/rieglms

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RIEGL VZ-400i Highlights



RIEGL VZ-400i with optional camera



user-friendly touchscreen



ready for kinematic applications (integration into RIEGL VMZ)

