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 VZ-400i at a glance

**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**

RIEGL VZ-400i with optional camera

user-friendly touchscreen

ready for kinematic applications (integration into RIEGL VMZ)

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**

<table>
<thead>
<tr>
<th>Feature</th>
<th>100 kHz</th>
<th>300 kHz</th>
<th>600 kHz</th>
<th>1,200 kHz</th>
</tr>
</thead>
<tbody>
<tr>
<td>Max. Measurement Range (natural targets p ≥ 90 %)</td>
<td>42,000</td>
<td>125,000</td>
<td>250,000</td>
<td>500,000</td>
</tr>
<tr>
<td>Max. Measurement Range (p ≥ 90 %)</td>
<td>800 m</td>
<td>480 m</td>
<td>350 m</td>
<td>250 m</td>
</tr>
<tr>
<td>Max. Measurement Range (p ≥ 20 %)</td>
<td>400 m</td>
<td>230 m</td>
<td>160 m</td>
<td>120 m</td>
</tr>
<tr>
<td>Minimum Range</td>
<td>1.5 m</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Accuracy / Precision</td>
<td>5 mm / 3 mm</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Field of View (FOV)</td>
<td>100° vertical / 360° horizontal</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Eye Safety Class</td>
<td>Laser Class 1 (eyesafe)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Main Dimensions (width x height) / Weight</td>
<td>206 mm x 308 mm / 9.7 kg</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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