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Survey REVOlution

Introducing the **ZEB-REVO**
mobile indoor mapping system



Fast | Accurate | Proven | Efficient



The ZEB-REVO builds upon the success of its predecessor, the award-winning ZEB1. At its core is GeoSLAM's industry-leading Simultaneous Localisation and Mapping (SLAM) algorithm, which facilitates rapid mobile mapping of enclosed environments, without the need for GPS.

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SCAN



REGISTER



POINT CLOUD

How it works

Scan

Scanning is made simple with the hand-held ZEB-REVO. The 100 Hz scanner and 360° field of view allows for fast, accurate and high quality data capture.

Register

Automatic SLAM cloud-to-cloud registration using either GeoSLAM Desktop or pay-as-you-go processing.

Point Cloud/

Resulting 3D point cloud produced in .laz format, as well as trajectory condition files. Extracted .las file compatible with all major industry standard post-processing software.

Enhanced Performance

Extra Versatility

Due to the auto-rotation of the sensor head, the ZEB-REVO can be hand-held, but also deployed on a pole, backpack, or even autonomous vehicle.



Higher Resolution

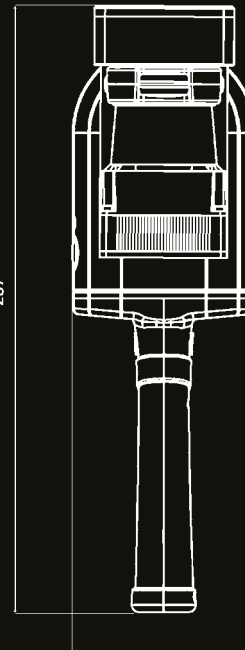
Now with a 100 Hz line speed, the ZEB-REVO produces 2.5 times more scan lines than the ZEB1, and a more structured point cloud.

More Discreet

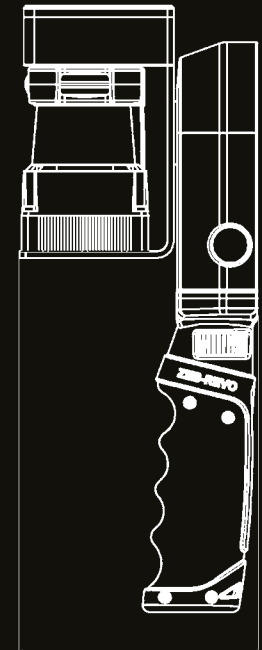
No requirement to be manually nodded and with a reduced size, the ZEB-REVO provides a more subtle survey operation.

Improved Accuracy

Higher resolution facilitates improved feature extraction and more accurate automatic SLAM registration with just a single closed loop.



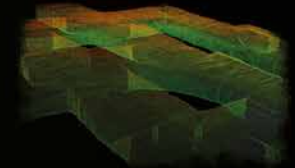
86




113

Specifications


Data Acquisition Speed	43,200 measurement points/second
3D Measurement Accuracy	+/- 0.1% (typically)
Maximum Range	Up to 30m (15-20m outdoors)
Laser Safety Class	Class 1 Eye Safe
Angular Field of View	270 x 360 degrees
Weight of Scanner Head	1kg
Dimensions of Scanner Head	86 x 113 x 287mm



Sales | Hire | Service | Support

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Control Code: 05/17/5016