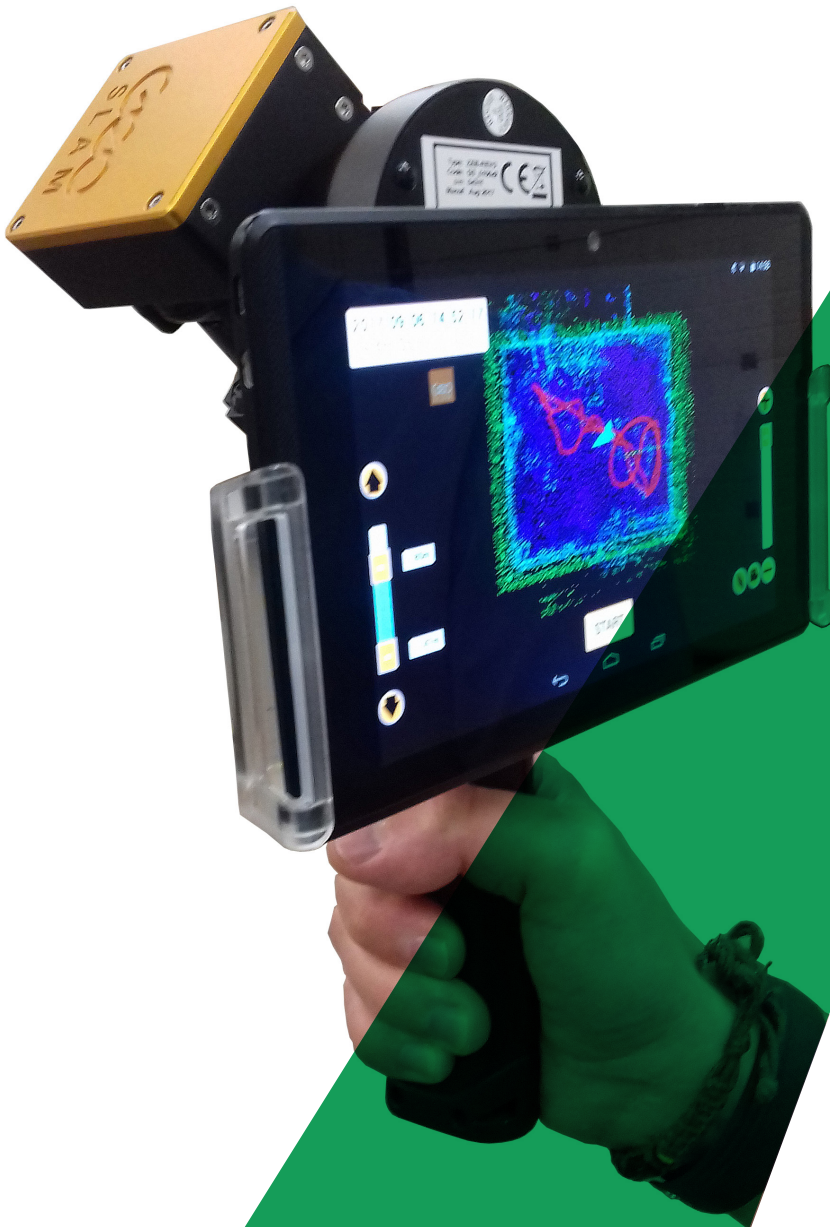


ZEB-REVO RT Solution

The brand new realtime solution from the experts in “go-anywhere” 3D mobile mapping technology.

Handheld, lightweight and easy to use laser scanners that allow you to rapidly collect and process scan data, simultaneously whilst on the move.



GeoSLAM.com

The brand new ZEB-REVO RT solution, sold via a global network of over 50 distributors in over 40 countries, across 6 continents.

System Features

| | |
|-----------------------|--|
| Maximum Range | 30m* |
| Data Acquisition Rate | 43,200 points/sec |
| Resolution | 0.625° horizontal, 1.8° vertical |
| Angular FOV | 270° x 360° |
| Supply Voltage | 14.8V nominal |
| Supply Current | Max 10A, nominal 2.5A |
| Power Consumption | 30W nominal |
| Operating Temperature | +10° to +30°C |
| Operating Humidity | Avoid condensing humidity |
| Mounting Operation | Removable handle provided, can also be pole or vehicle mounted |

**Maximum range to Kodak white card indoors (90% reflectivity)*

Outdoors range may be reduced to 15-20m depending on environmental conditions

Data Features

| | |
|----------------------------|---|
| Data Storage Capacity | 120GB |
| Raw data file size | ~10MB for every 1 min scanning |
| Processed data file size | ~8MB for every 1 min scanning |
| Default output file format | Multiple formats including .LAS, .PLY and .e57. |
| Compatibility | GeoSLAM data is compatible with all major CAD software packages |
| Graphical User Interface | Compatible with any web-enabled tablet or mobile phone** |
| WiFi Range | Upto 15m from datalogger |

***Tablet or phone not included with kit*

System Accuracy

| | |
|----------------------------|-------------------------------------|
| Relative Accuracy | 1 - 3cm |
| Absolute Position Accuracy | 3 - 30cm (10 mins scanning, 1 loop) |

Processing Software

Requires **GeoSLAM Hub** - our 'All in One' point cloud manipulation software:

- Integrated 2D and 3D viewer
- Modify and reprocess 3D data
- Merge multiple datasets
- Create 2D layouts, sections and elevations with **GeoSLAM Draw**
- Export a range of industry standard formats

Sensor Information

| | |
|--------------------|-------------------|
| Laser Safety Class | Class I Eye Safe |
| Laser Wavelength | 905nm |
| Scanner Line Speed | 100Hz |
| Scanner Resolution | 0.625° horizontal |
| Rotation Speed | 0.5Hz |

Battery

| | |
|-------------------|-------------------------|
| Battery Type | Lithium Ion |
| Capacity | 50Wh |
| Nominal Voltage | 14.8V |
| Battery Life | 1.5 hours |
| Charge Time | 8 – 12 hours |
| Chargers Supplied | UK, USA & EU |
| Weight | 550g |
| Battery Release | Quick-release mechanism |

Casing

| | |
|------------------------------|---------------------------------------|
| IP Rating | IP51 (dust-protected, water dripping) |
| Cable Connectors | LEMO multi pin |
| Weight (scanner) | 1.0kg |
| Weight (processing unit) | 1.7kg |
| Weight (total system) | 6.3kg |
| Dimensions (processing unit) | 220 x 180 x 470mm |
| Dimensions (hard case) | 460 x 370 x 180mm |

ZEB-CAM Accessory

| | | | |
|-------------------|------------------------|----------------|---|
| Camera Type | GoPro Session | Logging Medium | Internal SD card |
| Mode | Video | Power Supply | Internal Battery |
| Video Resolution | 1440p | Battery Life | 2 hours continuous use |
| Frames per Second | 30 | Image Syncing | Optical flow using integrated inertial sensor |
| Image Resolution | 1920 x 1440 | Connection | 1.5m cable with multi pin LEMO connector |
| Field of View | Ultrawide (~120°x 90°) | Software | Requires GeoSLAM Desktop V3 or GeoSLAM Hub |



Get in Touch

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