

HANDHELD MOBILE MAPPING / 3D LASER MAPPING SOLUTIONS

ZEB Family Brochure

NEW

ZEB HORIZON

Long range, greater
intensity, UAV ready

HANDHELD | BACKPACK | UAV



Effortless Data Capture

Your tool to capture, view and understand the world around you.

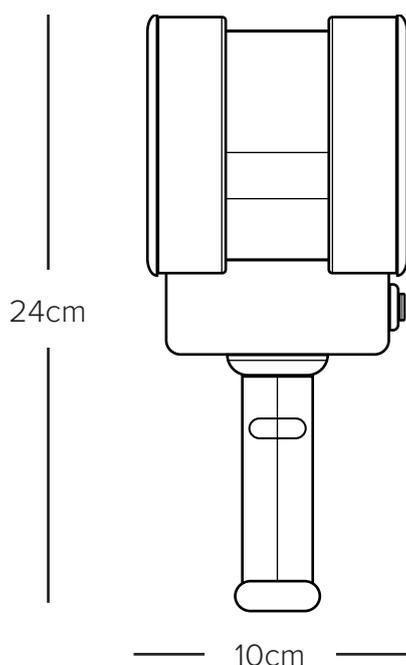
Great for indoor and outdoor use, including spaces where features are positioned further apart.

Lightweight and rugged, simple to use, fast to capture and easy to process.

Giving you the most accurate information you need to make the most important decisions.

Technical Specification

Range	100m
Protection Class	IP54
Scanner Weight	1.3kg
Points per Second	300,000
Relative Accuracy	1 - 3cm
Raw Data File Size	100-200MB a minute
Processing	Post Processing
Battery Life	3.5hrs

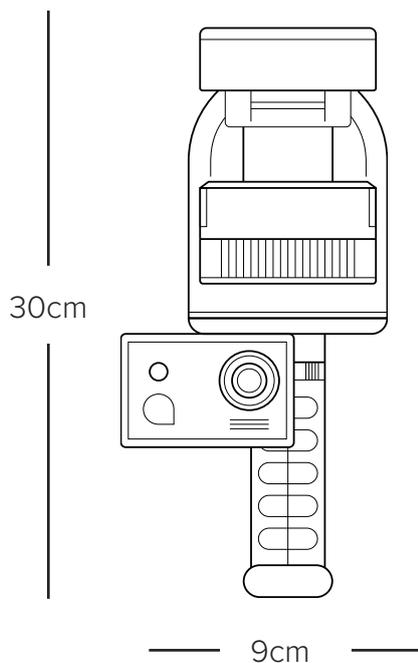


ZEB

REVO-RT

Real-time data processing, reduce occlusions

HANDHELD



Capture with Confidence

Scan, process and track your progress as you go.

The ZEB-REVO RT is handheld, lightweight and easy to use, allowing you to rapidly build highly accurate 3D pointclouds within minutes, while on the move.

Gain real-time insight into your scan, see the areas you've covered (or missed) and the route you've taken before you leave site.

Simple, comprehensive SLAM for everyone.

Technical Specification

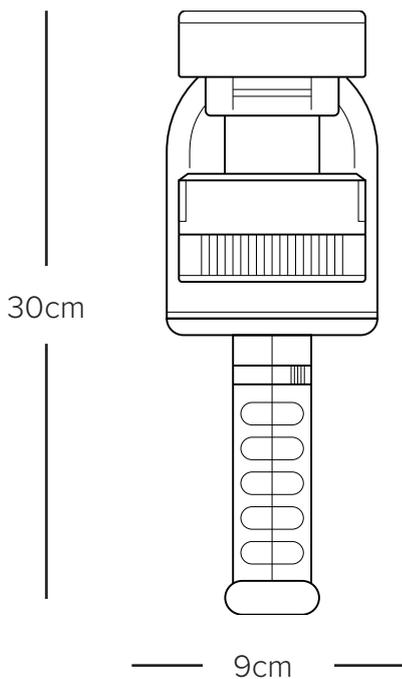
Range	30m
Protection Class	IP51
Scanner Weight	850g
Points per Second	43,000
Relative Accuracy	1 - 3cm
Raw Data File Size	100MB a minute
Processing	Real-Time
Battery Life	1.5hrs

ZEB

REVO

Your partner in harsh environments

HANDHELD | BACKPACK



Rugged and Reliable

The dependable lightweight, handheld scanner, take it with you wherever you go.

With its IP64 rating and simple operation, the ZEB-REVO is ideal for harsh environments from underground mines to intricate caves.

Complete whole surveys in minutes, not hours and share data quickly and easily thanks to minimal data file sizes.

Technical Specification

Range	30m
Protection Class	IP64
Scanner Weight	850g
Points per Second	43,000
Relative Accuracy	1 - 3cm
Raw Data File Size	100MB a minute
Processing	Post Processing
Battery Life	4hrs

NEW

ZEB

HORIZON

ACCESSORIES

UAV Mount



Take to the skies with ZEB-HORIZON

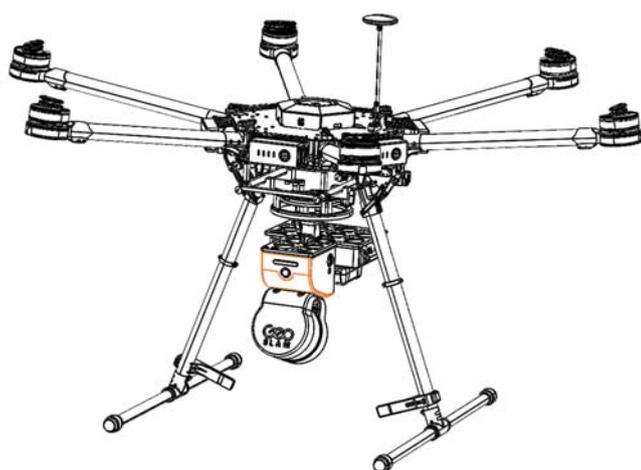
Take your ZEB-HORIZON to the skies with the UAV mount.

Capture from new heights with improved relative accuracy without the need for an IMU, even in areas with low GPS.

Paired with a ZEB-CAM add contextual imagery and colourisation to your UAV data.

Technical Specification

Range	100m
Protection Class	IP54
Scanner Weight	1.3kg
Points per Second	300,000
Relative Accuracy	1 - 3cm
Raw Data File Size	100-200MB a minute
Processing	Post Processing
Battery Life (scanner)	3.5hrs



The ZEB-HORIZON UAV mount comes with a damper to reduce vibration.

The mount is shown attached to a DJI Matrice 600 Pro.

GEOSLAM Software

Transforming your 3D scan data into actionable information

The complete software solution for GeoSLAM Data

GeoSLAM Hub & Draw is a comprehensive software suite that transforms 3D point cloud data into actionable information and valuable deliverables in minutes.

A part of GeoSLAM's complete mobile mapping solution, GeoSLAM Hub & Draw bring together industry-leading SLAM (Simultaneous Localisation and Mapping) technology with powerful post processing functionality to deliver complete end-to-end solutions.



GeoSLAM UK HQ Captured with ZEB-REVO and processed in GeoSLAM Hub

Benefits

SLAM processing to generate accurate 3D point clouds from mobile data

Automatic registration of multiple scans and geo-referencing of datasets to control

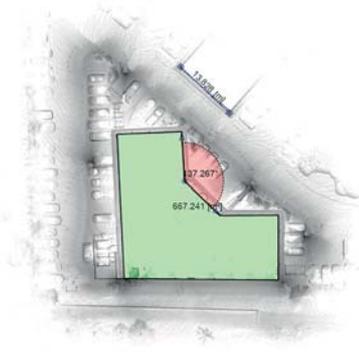
Import, view and interrogate data captured from all GeoSLAM mobile mapping devices

Quick and easy workflows with 'drag and drop' functionality - produce deliverables in minutes

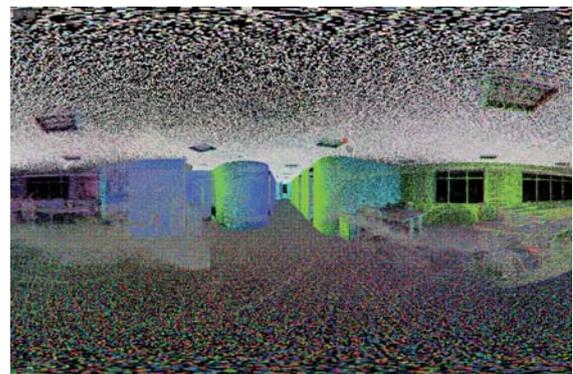
User definable parameters for enhanced SLAM processing

Ability to visualise synched imagery data captured from ZEB-CAM

Provides survey-grade data accuracy



GeoSLAM UK HQ 2D floorplan generated by GeoSLAM Draw software



Outputs include mesh DTMs, volumes, profiles and surface change measurement

ZEB

ACCESSORIES



Backpack

Compact and lightweight, the backpack neatly holds your scanner and accessories. Carry out scans with the data logger stowed inside.



Hard Case

Offers ruggedised protection for your scanner and accessories. IP67 rated and waterproof. Travels as hand luggage on most airlines.



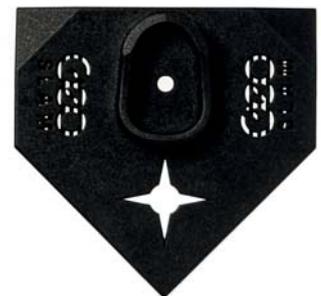
ZEB-CAM

ZEB-CAM is a simple add-on option for any ZEB Family member that adds vision, context & colour to your 3D data.



Multi Level Deployment

Robust cradle allows scanner to be lowered. Lightweight carbon fibre pole reaches heights that are difficult to access.



Reference Plate

Gather control points precisely with the reference plate, simplifying the georeferencing process in GeoSLAM Draw.



Backpack Mounts

In some environments, such as difficult to reach or unsafe areas, it is essential that both hands are free so mount the ZEB system onto a backpack.



Spherical Targets

Using targets with tribrach adapters you can accurately georeferenced your ZEB Data. Using GeoSLAM Draw a user can select spheres and geolocate data.

About GeoSLAM

Headquartered in the UK, GeoSLAM is a global market leader in “go-anywhere” 3D mobile mapping technology. Our unique handheld technology is highly versatile and adaptable to all environments – especially spaces that are indoor, underground or difficult to access, providing accurate 3D mapping without the need for GPS.

Our technology is easy to use and within minutes’ customers can build a highly accurate 3D model of their environment. GeoSLAM was founded in 2012 as a joint venture between CSIRO (Australia’s National Science Agency and the inventors of Wi-Fi) and 3D Laser Mapping. Serving the surveying, engineering, mining, forestry, facilities and asset management sectors, GeoSLAM has an expanding network of over 77 distributors, with a presence in 57 countries across 6 continents.

Get in Touch

If you want to slash your survey times with no loss of accuracy, get in touch with GeoSLAM today, using the contact details below.



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