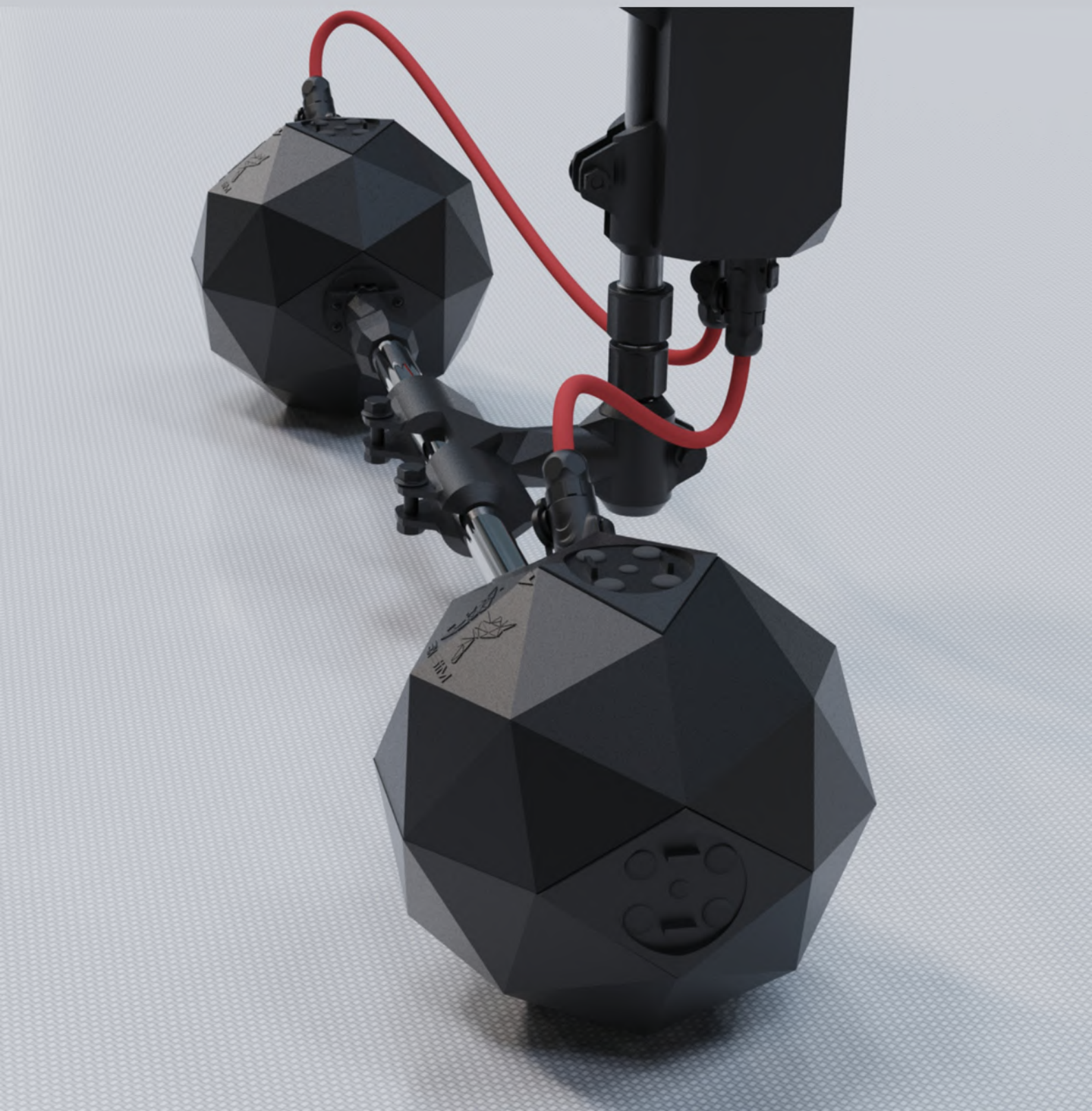
EXSIM

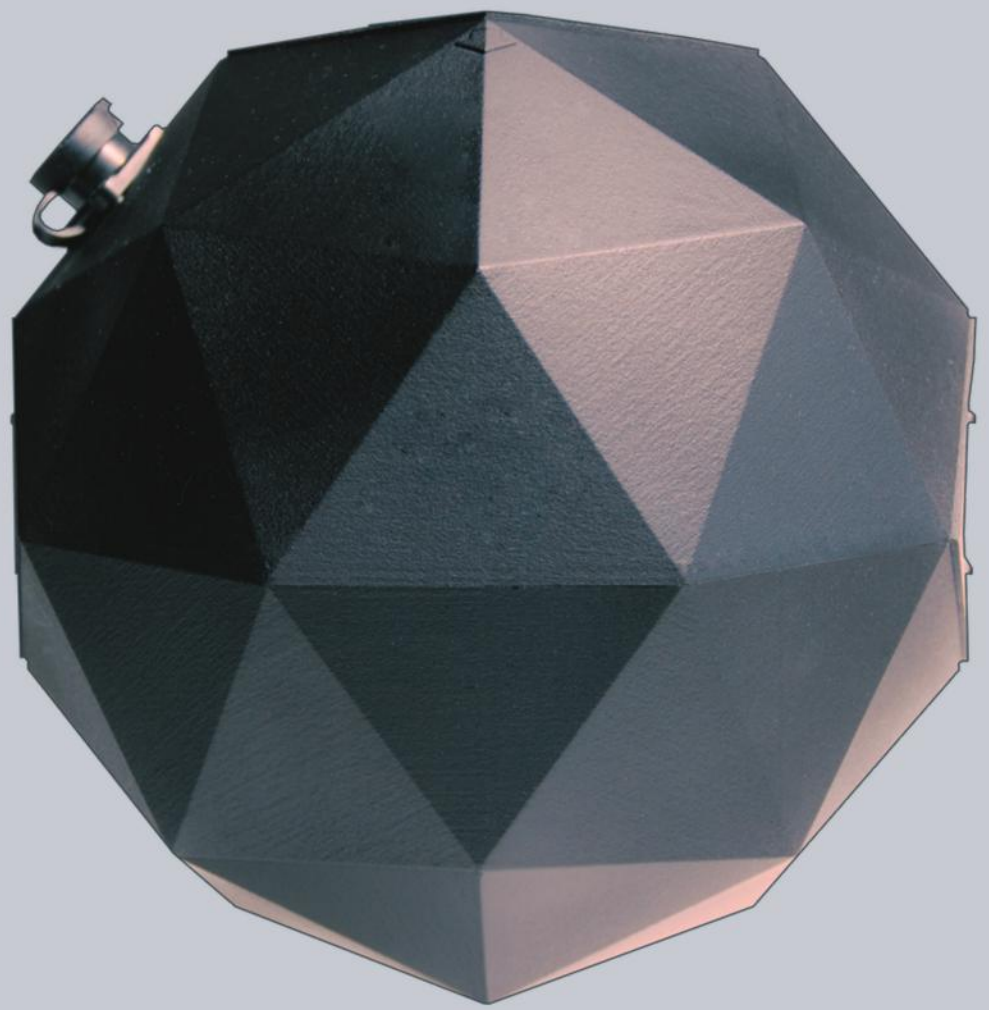
SUBSURFACE INTELLIGENCE

DETECTION, VISUALIZATION, AND AI-DRIVEN ANALYSIS



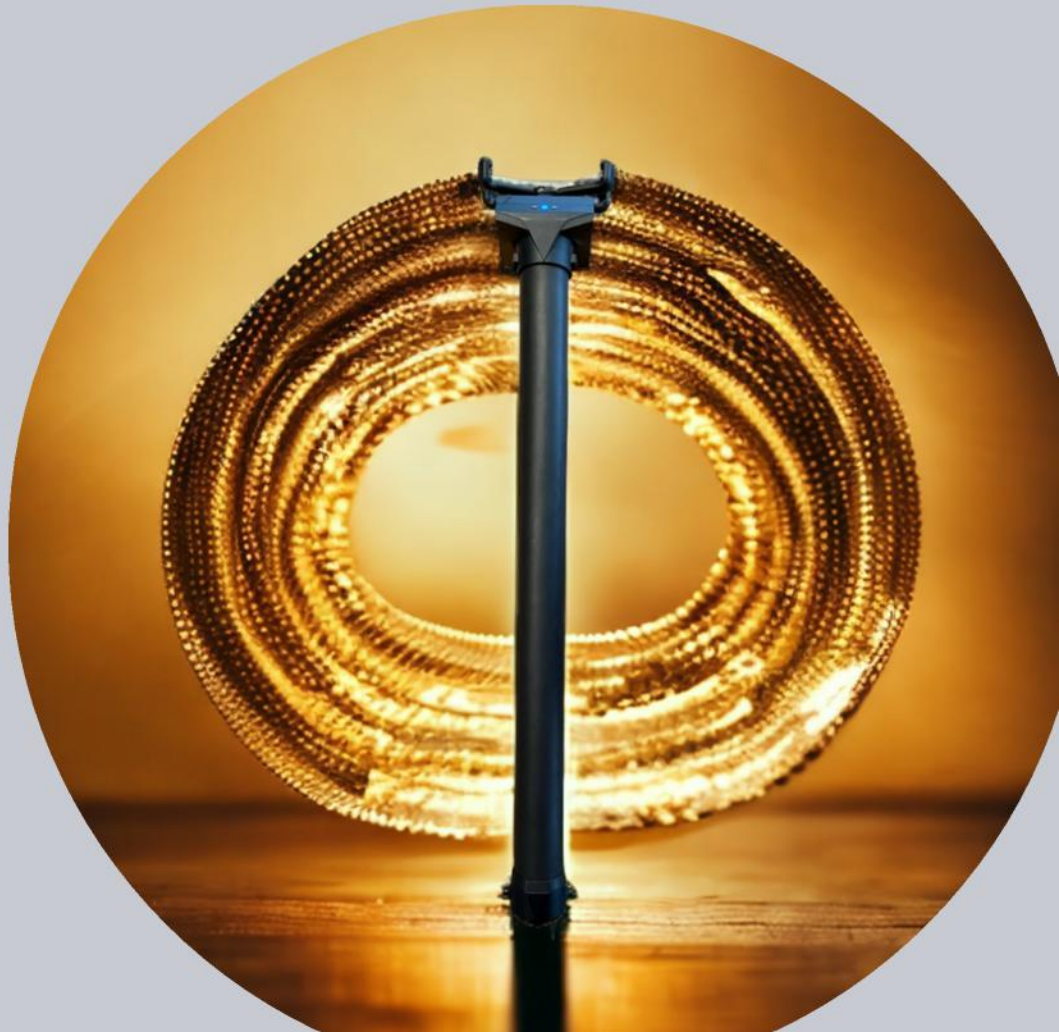
ABOUT US

Welcome to EXSIM, the provider of advanced subsurface data platforms and instruments. We started as a student research team in 2012, and since 2018, our company has been based in Istanbul, Turkey. With over a decade of experience, we have developed innovative equipment and a versatile platform that offer precise and user-friendly measurement tools for professionals and enthusiasts. Our "EXOSYS" and "EXSIM Lite" series provide cutting-edge solutions tailored to your specific needs. As proud members of IFIA, we contribute to industry advancements and deliver exceptional accuracy in subsurface data analysis. Experience the power of our intelligent subsurface scanning platform and join us at EXSIM to unlock the full potential of subsurface data analysis.



EXSIM LITE SERIES

The 'EXSIM Lite series' focuses on portability and ease of use. It is a user-friendly scanner equipped with a detector and a mobile app, allowing users to detect objects and cavities below the surface effortlessly. This series is perfect for smaller-scale projects, offering a lightweight and convenient solution for **on-the-go exploration**.



EXSIM LITE

CONSTRUCTION VERSION V2.0

Introducing the EXSIM Lite Construction version – the perfect companion for on-the-go projects involving shallow subsurface exploration. Designed to excel in detecting utilities, buried nuggets, cavities, and holes, this versatile instrument is a top choice for construction tasks. With its ability to cover a wide range of metal detector uses, the EXSIM Lite Construction version is your ultimate solution for efficient and reliable construction site exploration.

SUGGESTED USES

- Detection of metal pipeline
- Construction
- Detecting buried nuggets
- Cavity detection
- Environmental studies
- Teaching students

PACKAGE CONTENTS

- EXSIM Lite (Construction scanner v2.0)
- Detector Charger
- Anti-Shock HardBox
- Smart Phone holder
- Metal Belt Clip
- Guarantee card
- User Manual
- EXSIM LAB Lite v2.0 (License Type c)

ATTENTION : *If you don't have a smartphone, consider adding it as an extra option to your purchase.*

SPECIFICATIONS

Max Depth (RDI*)	24m	**Weight**	2.2 Pounds (less than 1 kg)
Usable Depth (TSP)**	A-	**Scan Types**	3D / 2D
Detector Type	Passive	**Walking Methods**	Parallel / Zigzag / Free
Max Point Per Line	5~100 PPL	**Interface**	Touchscreen
Scan Methods	Regular	**Operating Time**	~ 12 hours
Save Method	DataBase	**Software**	EXSIM-Lab Lite (Android Support)
Data Transfer	Bluetooth		
Languages	English / Turkish		

* RDI = Relative Depth of Investigation
** TSP = This information is supported by the "Trusted Suggestion Program"

EXSIM LITE

ADVENTURE VERSION V2.1

your ultimate companion for on-the-go projects in *shallow and intermediate* subsurface exploration. This version not only includes all the abilities of Exsim Lite construction but also goes beyond offering the ability to investigate **deeper** and uncover buried utilities, nuggets, and archaeological projects. Whether you're on a construction site, conducting archaeological projects, or embarking on thrilling adventures, the EXSIM Lite Adventure version is your go-to instrument for reliable and efficient deeper investigations. Unleash the possibilities with this powerful and versatile subsurface scanner.

SUGGESTED USES

- Detection of metal pipeline
- Construction
- Detecting buried nuggets
- Cavity detection
- Environmental studies
- Archaeology
- Adventure exploration
- Teaching students

PACKAGE CONTENTS

- EXSIM- Lite (Adventure scanner v2.1)
- Smart Phone
- Solar Power Bank
- Power Bank USB Cable
- Detector Charger
- Anti-Shock HardBox
- Smart Phone holder
- Metal Belt Clip
- Guarantee card
- User Manual
- EXSIM LAB Lite v2.0
  (License Type b exchangeable)

SPECIFICATIONS

Max Depth (RDI*)	31m	**Weight**	2.2 Pounds (less than 1 kg)
Usable Depth (TSP)**	B-	**Scan Types**	3D / 2D
Detector Type	Passive	**Walking Methods**	Parallel / Zigzag / Free
Max Point Per Line	5~150 PPL	**Interface**	Touchscreen
Scan Methods	Regular	**Operating Time**	~ 12 hours
Save Method	DataBase	**Expanded Operating Time ***	~ 92 hours or around 4 days
Data Transfer	Bluetooth	**Software**	EXSIM-Lab Lite (Android Support)
Languages	English / Turkish		

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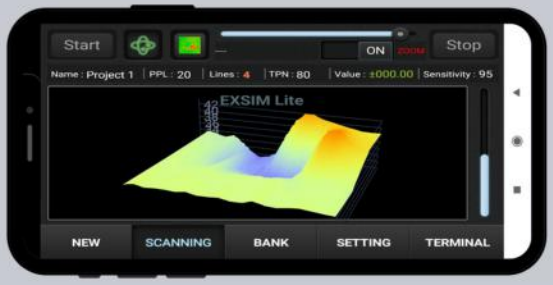
*** Operating Time with Solar Power Bank Usage

SOFTWARE

EXSIM-LAB LITE V2.0

The mobile app serves as a powerful tool for visualizing both 2D and 3D data. It eliminates the need for separate hardware interfaces because all control functions are integrated into the application's interface during run-time. This integration allows for data reception from the detector and easy access to stored data in the database.



With a user-friendly interface, the app allows you to effortlessly connect to the detector, conduct scans, and quickly save them to the database. For both the EXSIM Lite Construction and Adventure versions, "EXSIM-LAB Lite" is the primary software, perfectly supported with Android smartphones and tablets, facilitating efficient data visualization and storage.

MINIMUM REQUIREMENTS

Device type	Smart phone	**RAM**	min. 2 GB
Operating System	Android	**Storage**	min. 1 GB
Operating System version	min. Android 9.0	**Blutooth type**	4.2 or
CPU	min. 2.0 GHz	**App file size**	~21 MB
Display Resolution default	720 x 1520		

EXOSYS SERIES

The 'EXOSYS series' is crafted for unmatched **performance and adaptability**. It consists of cutting-edge subsurface data analysis platforms, offering profound insights and pinpoint detection capabilities. Tailored for large-scale projects and adept professionals, the 'EXOSYS series' provides comprehensive data analysis tools for intricate engineering tasks.

This series includes a master unit and ORB detectors that can be networked together, unleashing additional functionalities such as 'FSM' and 'Geometric Multi-vision.' These features enable the collection of diverse data types and valuable information from practical field operations, elevating the efficiency and effectiveness of your projects.

EXOSYS ST-200

MONO CORE

The 'EXOSYS ST-200' comes with a **single passive ORB detector**, and it seamlessly integrates with the "EXSIM-LAB Advanced version" software, offering enhanced data analysis capabilities. This product's scanning speed is **twice** as much as that of the 'EXSIM Lite series'. With no need for a hardware interface, all control buttons are conveniently located in the software, allowing for automatic communication between the hardware and software components.

Max Depth (RDI*)	25m	**Weight**	4.2 kg
Usable Depth (TSP)**	A	**Scan Types**	3D / 2D
Detector Type	Passive ORB	**Walking Methods**	Parallel / Zigzag / Free
Number of ORBs	1	**Interface**	Touchscreen
Max Point Per Line	5~200 PPL	**Operating Time**	~ 8 hours
Scan Methods	Regular	**Max Line width**	30cm
Save Method	DataBase	**Vision Types**	Mono
Data Transfer	Bluetooth	**Input Channels**	2
Languages	English / Turkish	**Software**	EXSIM-Lab Advanced (windows Support)
Mount Type	Tactical vest		

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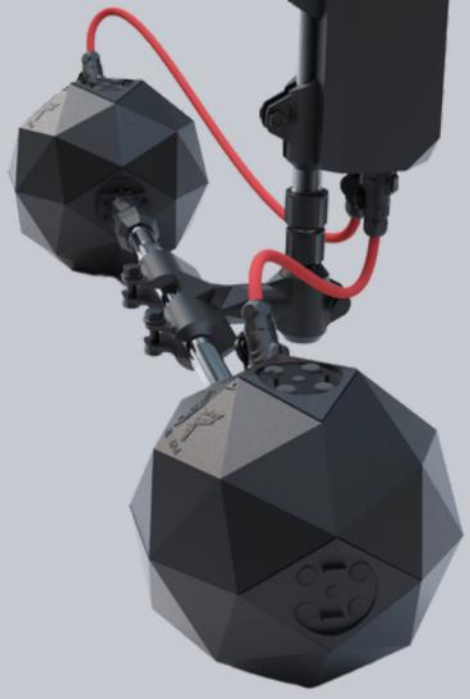

EXOSYS TERRA-Z

DUAL CORE

The EXOSYS TERRA-Z is a cutting-edge subsurface 3D scanner that harnesses the power of "FSM-1" and "Half Geometric Multi Vision 2x" technologies. This advanced scanner supports **two ORB detectors** simultaneously, enabling real-time detection of up to 1000 PPL of separate data. With such capabilities, you can achieve enhanced clarity in detecting buried targets beneath the ground. Additionally, the scanner's ability to perform broad scans with two lines at once allows for efficient and time-saving operations. Whether you're searching for metal objects, cavities, canals, installations, or storage tanks, the EXOSYS TERRA-Z is a powerful tool that delivers exceptional results.

Max Depth (RDI*)	36m	**Weight**	4.6 kg
Usable Depth (TSP)**	B	**Scan Types**	3D / 2D
Detector Type	Passive ORB	**Walking Methods**	Parallel / Zigzag / Free
Number of ORBs	2	**Interface**	Touchscreen
Max Point Per Line	5~1000 PPL	**Operating Time**	~ 4 hours
Scan Methods	Regular / FSM1	**Max Line width**	30cm
Save Method	DataBase	**Vision Types**	Mono / Multi Vision 2x
Data Transfer	Bluetooth	**Input Channels**	4
Languages	English / Turkish	**Software**	EXSIM-Lab Advanced (windows Support)
Mount Type	Tactical vest		

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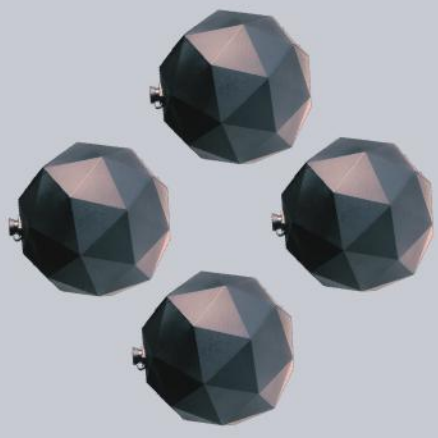

EXOSYS Z-MAX

QUAD CORE

The EXOSYS Z-MAX encapsulates the pinnacle of subsurface scanning technology, incorporating all features of its predecessors and more. It supports **Four ORB detectors simultaneously and offers an optional Wide loop with 8 lines**, delivering a maximum line width of **10cm for high-resolution imaging**. Equipped with **FSM2** technology, the Z-MAX is designed for demanding projects requiring detailed analysis of the subsurface environment. Its advanced capabilities make it an ideal choice for large-scale engineering projects.

Max Depth (RDI*)	36m	**Weight**	6 kg
Usable Depth (TSP)**	TRUSTED B	**Scan Types**	3D / 2D
Detector Type	Passive ORB	**Walking Methods**	Parallel / Zigzag / Free
Number of ORBs	4	**Interface**	Touchscreen
Optional Loop***	Wide Loop 8 Line	**Operating Time**	~ 4 hours
Max Point Per Line	5~1000 PPL	**Max Line width**	10cm
Scan Methods	Regular / FSM1 / FSM2	**Vision Types**	Mono / Multi Vision 2x / Multi Vision 4x
Save Method	DataBase		
Data Transfer	Bluetooth	**Input Channels**	8
Languages	English / Turkish	**Software**	EXSIM-Lab Advanced (windows Support)
Mount Type	Tactical vest		

* RDI = Relative Depth of Investigation

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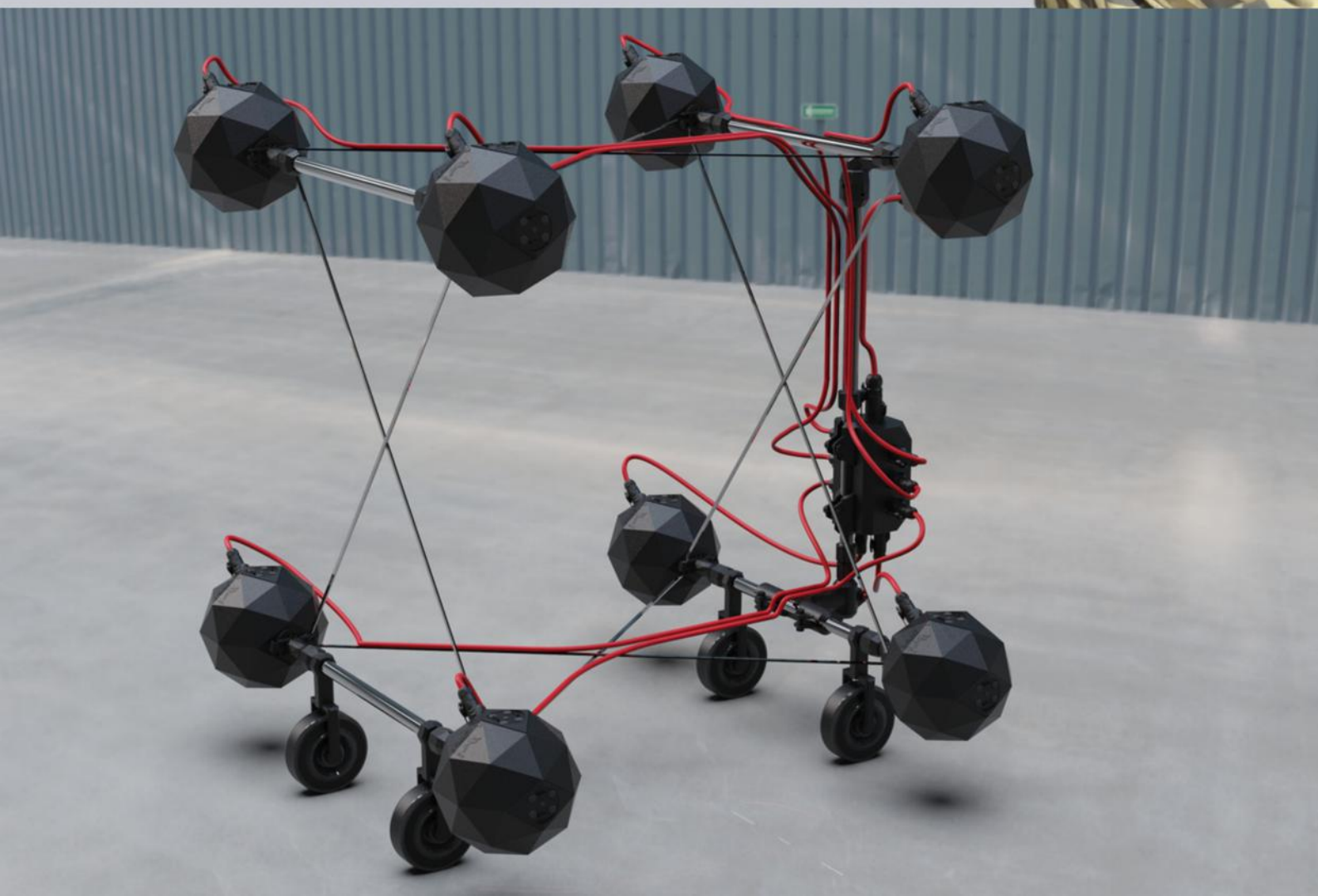
*** This item is optional and the default pack is not included.

OCTA CORE

EXOSYS OCTA CORE VERSION

Tailored for high-security but non-military applications, the **EXOSYS OCTA-CORE** Version represents the apex of precision and capability in subsurface scanning. Supporting up to **8 ORB detectors simultaneously** with an astonishing **4000 PPL** and optional configurations including a **Wide loop with 8 or 16 lines**, it offers unprecedented resolution. The device's **max line width of 5 cm** and **FSM3** technology provide the highest accuracy in detecting subsurface features across the **X, Y, and Z** axes. With the ability to capture data at a resolution of ***up to 31 bits***, this model is the epitome of high-end, sophisticated subsurface scanning equipment.



EXOSYS OCTA-CORE VERSION SPECIFICATIONS

Max Depth (RDI*)	Customizable	**Weight**	8.6 kg
Usable Depth (TSP)**	TRUSTED ---	**Scan Types**	3D / 2D
Detector Type	Passive ORB	**Walking Methods**	Parallel / Zigzag / Free
Number of ORBs	8	**Interface**	Touchscreen
Optional Loop ***	Wide Loop 8 Line / Wide Loop 16 Line	**Operating Time**	~ 12 hours
Max Point Per Line	5~4000 PPL	**Max Line width**	5 cm
Scan Methods	Regular / FSM1 / FSM2 / FSM3	**Vision Types**	Mono / Multi Vision 2x / Multi Vision 4x / Multi Vision 8x
Save Method	DataBase		
Data Transfer	Bluetooth	**Input Channels**	16
ADC Resolution ****	Up to 31 bits	**Extra power solution**	2
Languages	English / Turkish	**Software**	EXSIM-Lab Advanced (windows Support)
Mount Type	Tactical vest		

* RDI = Relative Depth of Investigation and related to the design

** TSP = This information is supported by the "Trusted Suggestion Program"

*** This item is optional and the default pack is not included.

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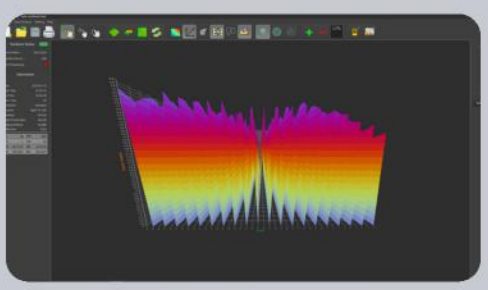
SOFTWARE

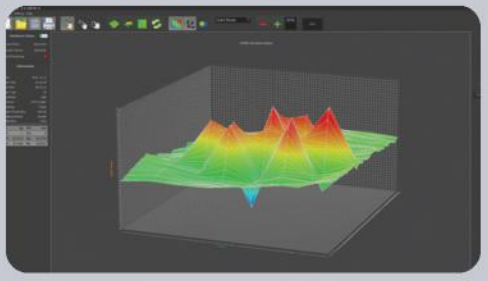
EXSIM-LAB ADVANCED V2.0

The "EXSIM-LAB Advanced" software is a powerful tool that seamlessly visualizes 2D and 3D data, offering advanced analysis features. With no need for a hardware interface, it simplifies operations, enabling effortless data reception from the detector and swift access to the database. Its user-friendly interface facilitates easy connection to the detector, smooth scanning, and quick data storage.

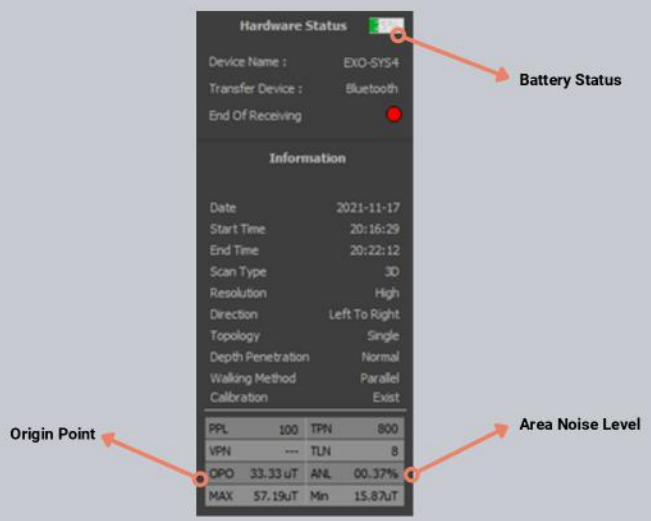
All of the 'EXOSYS' series rely on "EXSIM-LAB Advanced" as their primary software, perfectly compatible with Microsoft Windows. This efficient software empowers you with comprehensive data visualization, storage, and analysis capabilities, ensuring optimal performance in your projects.



Monitoring hardware calibration status

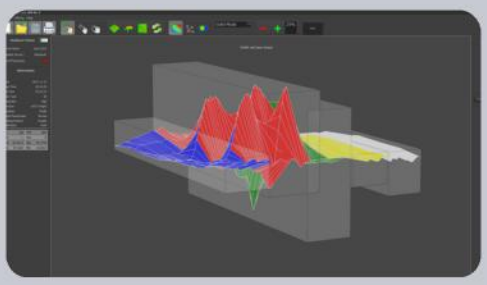


EXSIM-LAB Advanced v1

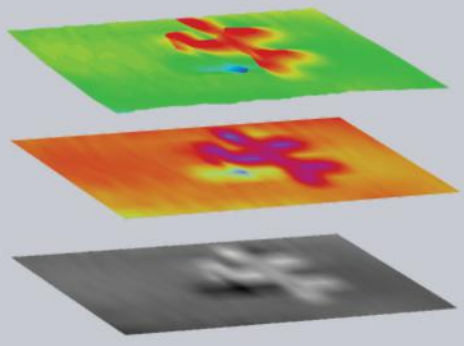


Useful Information at Run-time

Furthermore, the "EXSIM-LAB Advance" software gathers valuable real-time information about the hardware status, such as battery levels and practical area conditions like '*Area Noise Level*.' Additionally, it calculates the '*Origin Point*' using three different mathematical methods, enhancing data reliability. The software offers numerous options and features for data visualization and analysis, including data clustering and AI capabilities, making it an excellent and reliable assistant for users. With its comprehensive functionalities, "EXSIM-LAB Advance" ensures you have all the necessary tools to make informed decisions and extract valuable insights from your subsurface scanning projects.



Data Clustering



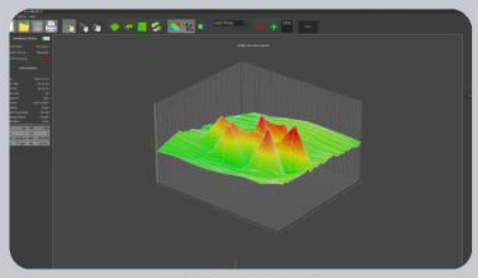
Multi-Color Spectrum

SOFTWARE

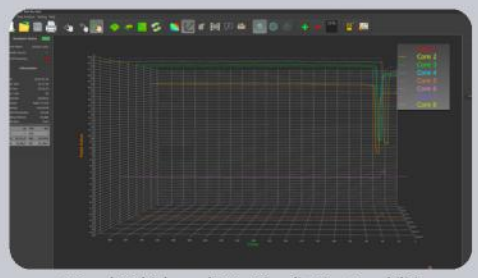
EXSIM-LAB ADVANCED V2.0

The EXSIM LAB Advanced version enhances visualization with 2D graphs and 3D visualization, featuring a dynamic color spectrum that adjusts based on the data type, highlighting critical information efficiently. For projects with high complexity or large scale, it also supports robust data extraction capabilities from array sensors and multichannels, essential for effective data management and analysis. This combination of features makes it highly effective for detailed data assessment in various applications.

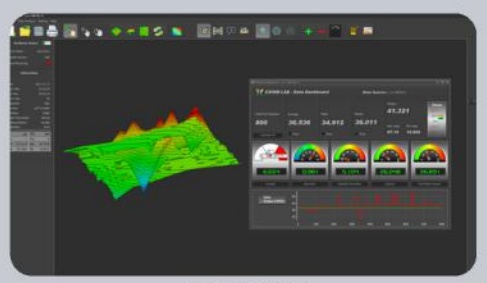
The Data Dashboard is a key feature for data scientists or users requiring a comprehensive project overview. It provides essential statistical calculations within a single view, significantly enhancing the efficiency and effectiveness of dataset interpretation.



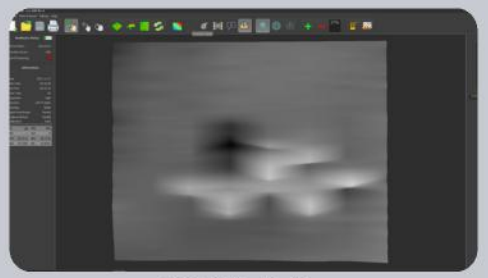
3D Data Visualization



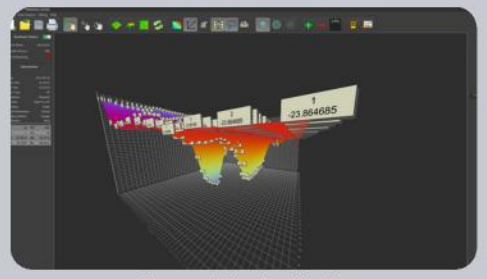
2D and Multichannel Data Visualization Capabilities



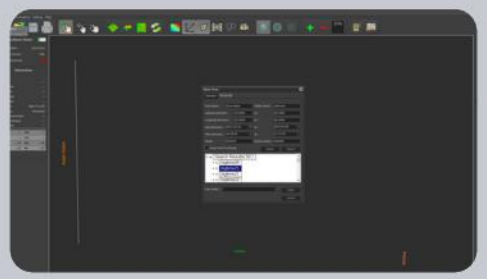
Data Dashboard



3D Data Visualization



Characteristics of each point



Advanced Database Searching

Enhanced 3D visualization allows for a deeper exploration of each data point's characteristics, fostering new insights and interpretations of the dataset. This capability enriches the data analysis process, revealing novel details and perspectives.

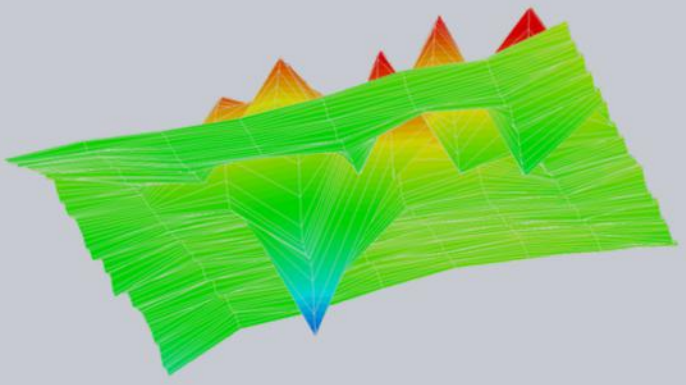
Storing data in a database and leveraging advanced search capabilities are key to sorting data efficiently and unveiling new insights. This approach not only facilitates more effective analysis and pattern recognition but also integrates communication with other advanced systems and platforms. Additionally, users can export their data to file systems, which boosts data management and accessibility.

Depending on the license type, EXSIM LAB Lite can sync its data with EXSIM LAB Advanced versions, enhancing data consistency across platforms.

When you come across this icon or the "**TSP**" abbreviation next to tips or information, it signifies that you've stumbled upon the "Trusted Suggestion Program." At EXSIM, we are dedicated to providing our customers with comprehensive support and valuable insights. The "Trusted Suggestion Program" aims to offer additional assistance by presenting information that might not be commonly found on datasheets in this industry. These practical insights can bring greater clarity to your decision-making process, helping you make more informed choices. We believe in empowering our customers to make the best decisions for their projects, thereby minimizing errors and saving both time and capital. Count on us for reliable guidance and top-notch service.

For more information, please visit EXSIM's official website: **www.exsimcompany.com**

EXSIM ELEKTRIK YAZILIM ltd,



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