Underground radar reLief radar L if Detector

Discover survivors trapped underground

Rescue Radar™ System

Discover buried survivors in minutes

Rescue Radar™ is designed to be deployed quickly by search and rescue teams around the world to quickly discover survivors trapped under the surface.

Checking the existence of life is paramount after a disaster, and search and rescue teams need to quickly assess where resources should be concentrated in the first few hours after a disaster.

Utilizing our patented ultra-wide bandwidth (UWB) antenna technology, Rescue Radar™ can detect movements and immobilized victims under the surface.

The Rescue Radar™ system comes standard with:

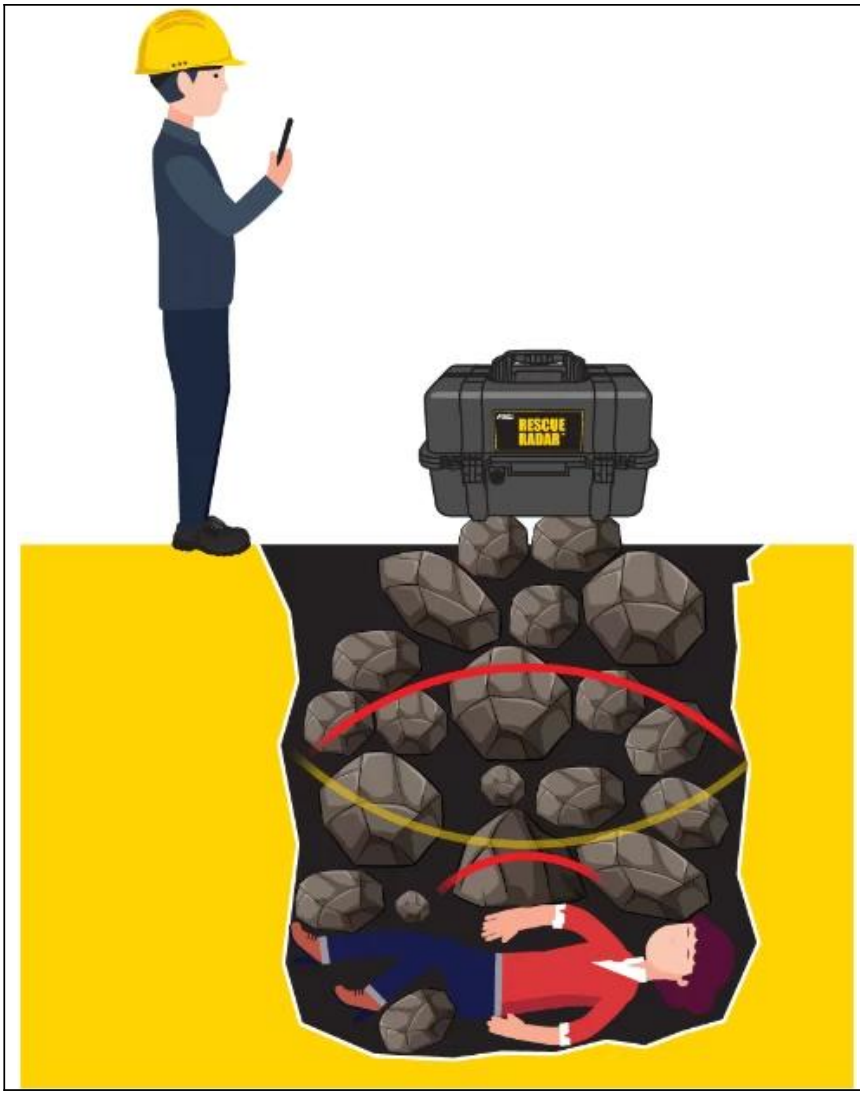
- Rescue Radar™ Sensor
- A harsh field tablet
- Rechargeable battery
- Sturdy shipping case
- User Manual

Rescue Radar™ System

With minimal operator training, Rescue Radar™ can

Identifying the location of unconscious and conscious victims Our third generation Rescue Radar™ system is extremely sensitive and detects slight movement and shallow breathing.	**Effectively operates in noise and windy environments** GPR is a reliable tool when operating in challenging environments	**Seamlessly complements the use of dog and earthquake rescue systems** Enhances search functionality in a reliable and proven way to detect slight movements such as breathing within seconds.

After the 2014 earthquake, Rescue Radar™ was used in Nepal



Fast deployment and operation

1. When the operator arrives at the scene, open the rescue radar case and remove the tablet computer.

2. Rescue Radar™ is installed at the disaster site, and the operator stands behind and starts the system.

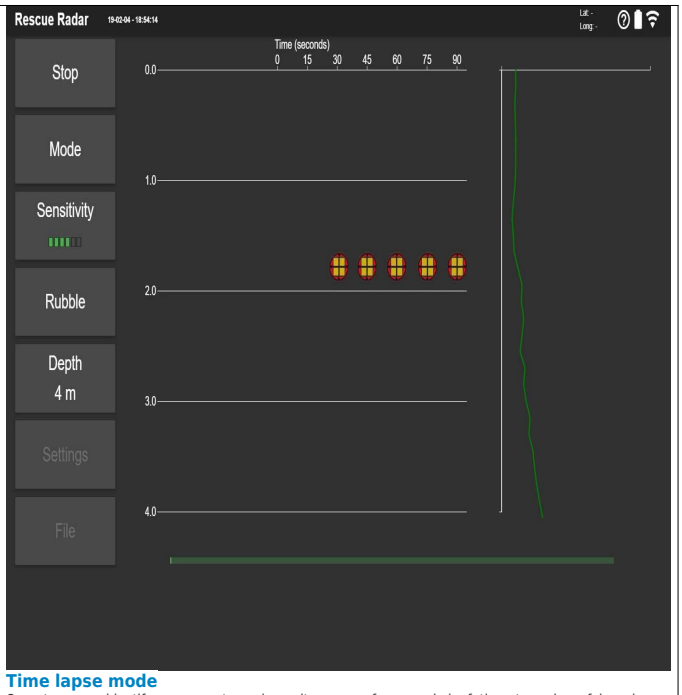
3.Rescue Radar™ continuously sends GPR signals underground to detect movement. The tablet displays the distance from the system to the potential victim under the rubble in seconds.

Rescue mode

It can easily switch between the two modes to achieve optimal behavior in any situation, identify victim locations and save lives.

Basic mode

Allows first responders who have minimal or no prior training on Rescue Radar™ to identify the location of trapped victims. The interface displays life status symbols on a scale that indicates the distance from the rescue radar to the victim.



Time lapse mode

Operators can identify movements and monitor areas for a period of time to reduce false alarms. Displaying consistent state of life symbols over many cycles (through time) increases the confidence of first responders that the victim is still alive. They either move with consciousness or breath unconsciously.

Rescue Radar™ Features

- Designed for the harshest environments: Durable, weather resistant pelican case
- Sturdy Tablet: Meets military specifications for the most harsh rescue conditions.
- Extend battery life
- Uninterrupted Wireless Data Collection: Rescue radar continues to work even if Wi-Fi is interrupted, and seamlessly reconnects to the control tablet when the connection is restored without data loss.
- Display depth can be adjusted to suit the situation at the site
- All-in-one package: The system works within the shipping case and does not require any additional setup.
- No custom software is required for operation. The system can be used on any device with the appropriate browser.
- Geotagged results are offloaded fast via USB or Wi-Fi
- It is in a state where maintenance is not necessary and can be installed at any time

application :

- Urban Search and Rescue (USAR)
- Natural disasters
- Terrorist attacks
- Mining disaster
- Structural collapse

specification:

specification	values
Dimensions and weight	Size: 530 x 325 x 325 mm Weight: 7.71 kg (no battery) | 11 kg (including battery and tablet)
Center frequency	500MHz
force	1.25A @ 12V Battery: Rechargeable sealed lead acid gel cell Capacity: 9Ah Charger: 110-240V Available worldwide
environment	Rescue Radar™ Electronics: -40 to 50 °C Display: -10 to 50°C
Maximum detection depth (depending on material)	Choose from 2, 4, 8, 10, 20, 30 meters
Maximum controlled Wi-Fi distance	75m
Tablet Operating System	Android

If you are interested in this product, please feel free to contact us.