



# RESCUE RADAR™

Find buried survivors in minutes



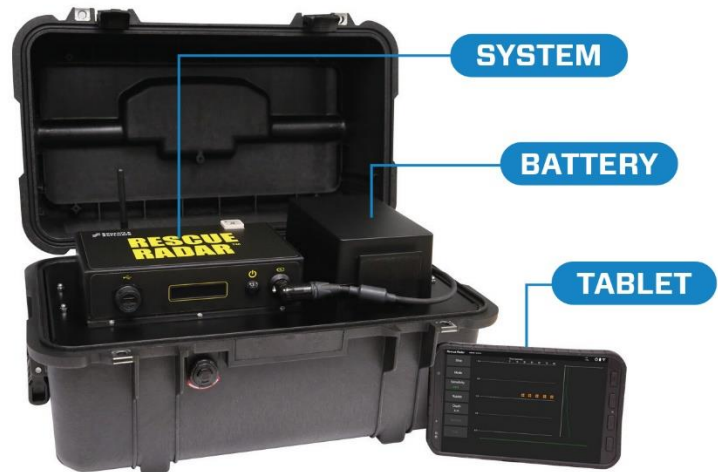
# RESCUE RADAR™

Rescue Radar™ is designed for rapid deployment by Search & Rescue teams all around the world to quickly find survivors trapped beneath the surface.

Determining the presence of life is of utmost importance following a disaster and Search & Rescue teams need to rapidly assess where to focus their resources in the initial hours following the catastrophe.

By making use of our patented ultra-wide bandwidth (UWB) antenna technology Rescue Radar™ is able to detect moving and immobile victims below the surface.

Rescue Radar™ comes standard with a tablet, system, battery and charger.



With minimal operator training, Rescue Radar™ can:



### Locate unconscious and conscious victims

Our third generation Rescue Radar™ system is highly sensitive to detect slight motion and shallow breathing.



### Effectively operate in high noise and wind environments

GPR is a reliable tool when operating in difficult environments.



### Seamlessly complement the use of canine and seismic rescue systems

Augments search capabilities with a reliable and proven method that detects motion, such as breathing, within seconds.



**Find  
Survivors  
Trapped  
Beneath  
the Surface**

# RESCUE MODES

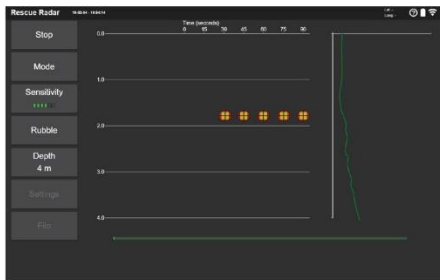
## BASIC MODE



## Locate victims Save lives

Easily toggle between two modes for optimal operation in all circumstances.

## TIME LAPSE MODE



## BASIC MODE

Allow first responders with minimal or no prior training with Rescue Radar™ to locate trapped victims. The interface shows a life status symbol on a scale to indicate the distance from Rescue Radar™ to the victim.

## TIME LAPSE MODE

Allows the operators to locate movement and monitor an area over a period of time to reduce false alarms. A consistent life status symbol over a number of cycles (time lapses) builds confidence for first responders that a victim is still alive; either conscious and moving or unconscious and breathing.



## Features

- Designed for the harshest environments: tough, weatherproof Pelican case
- Rugged tablet: meets military specifications for the toughest rescue conditions
- Extended battery life
- Uninterrupted wireless data collection: Rescue Radar™ continues to operate if Wi-Fi is interrupted and seamlessly reconnects to the control tablet when connectivity is restored with no data loss
- Adjustable depth of display to adapt to site conditions
- All in one package: the system operates in a transport case with no additional setup required
- No custom software required for operation: control the system and view results through a browser on the tablet
- Fast geotagged results offload onto USB or via Wi-Fi
- Low maintenance: always ready for deployment

Rescue Radar™ comply with the Industry Canada (IC), United States Federal Communications Commission (FCC), and European Technical Standards Institute (ETSI) Regulations for ultra-wide bandwidth (UWB) devices.

## Product Specifications

<b>Dimensions &amp; Weight</b>
<b>Size:</b> 530 x 325 x 325 mm <b>Weight:</b> 7.9 kg (no battery)   11 kg (with battery and tablet)
<b>Center Frequency</b>
500 MHz
<b>Power</b>
1.25 A @ 12V <b>Battery:</b> Rechargeable sealed lead acid gel cell Life: 5 -8 hrs <b>Capacity:</b> 9Ah <b>Charger:</b> 110 -240 V for use all over the world
<b>Environmental</b>
<b>Rescue Radar™ Electronics:</b> -40 to +50°C <b>Display Unit:</b> -10 to +50°C
<b>Maximum Detection Depth (Material Dependent)</b>
Selectable 2, 4, 8, 10, 20, 30 meters
<b>Maximum Control Wi-Fi Distance</b>
75m
<b>Tablet Operating System</b>
Android

## Applications

- Urban Search & Rescue (USAR)
- Natural Disaster
- Terrorist Attack
- Mining disaster
- Structural Collapse



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