

# RESCUE RADAR™

Designed to help the rapid  
search and rescue  
of individuals in disaster zones



# RESCUE RADAR

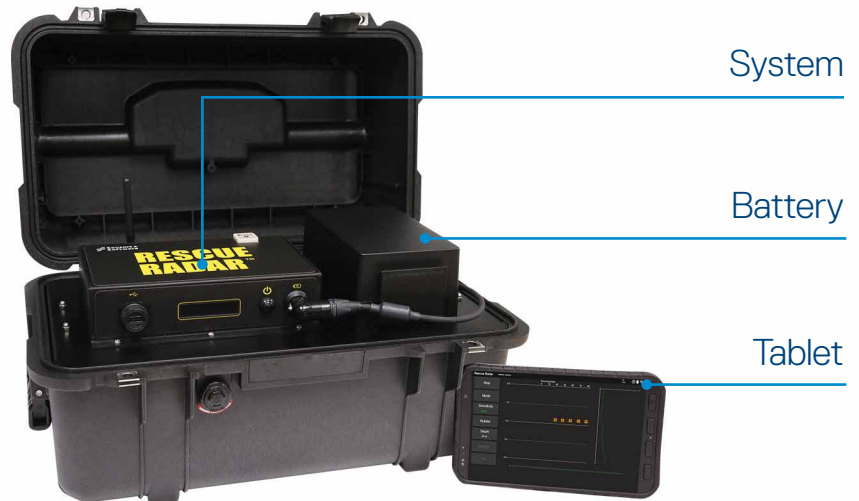
Rescue Radar is designed for rapid deployment by Search & Rescue teams all around the world to quickly find survivors trapped beneath the surface.

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



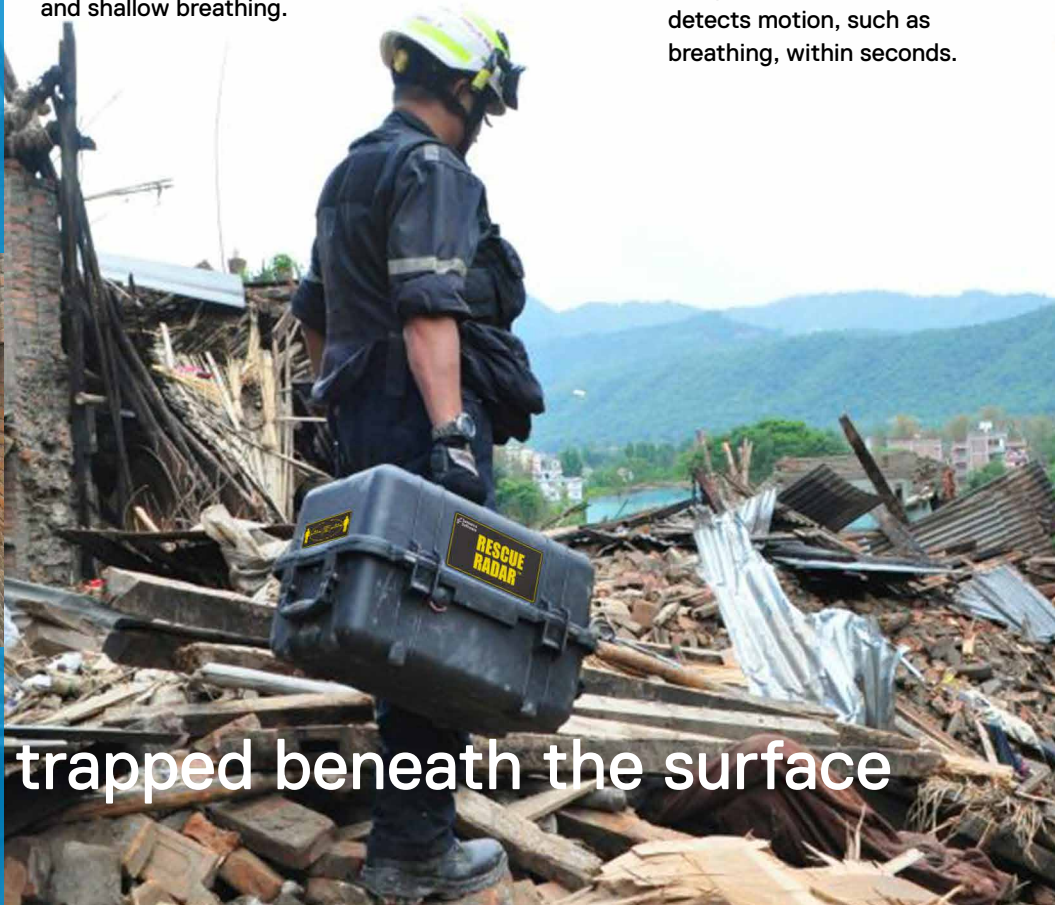
GPR is a reliable tool when operating in difficult environments.

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.

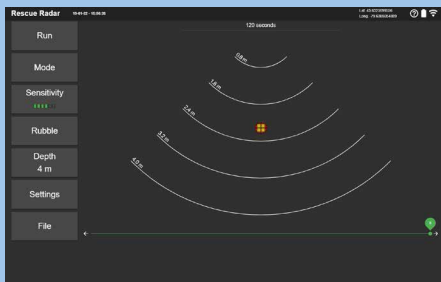
Find survivors trapped beneath the surface



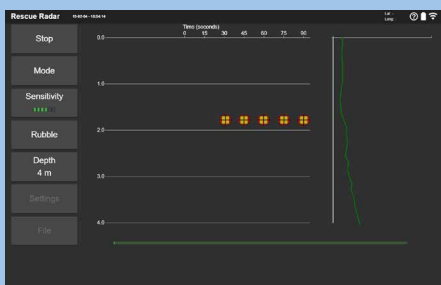


# RESCUE MODES

## BASIC MODE



## TIME LAPSE MODE



Locate victims.  
Save lives.

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



## 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

| Dimensions & Weight  |
|--|
| <b>Size:</b> 530 x 325 x 325 mm  |
| <b>Weight:</b> 7.9 kg (no battery) / 11 kg (with battery and tablet)   |
| Center Frequency   |
| 500 MHz  |
| Power  |
| 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                  |
| Environmental  |
| <b>Rescue Radar Electronics:</b> -40 to +50°C                          |
| <b>Display Unit:</b> -10 to +50°C                                      |
| Maximum Detection Depth (Material Dependent)                           |
| Selectable 2, 4, 8, 10, 20, 30 meters                                  |
| Maximum Control Wi-Fi Distance   |
| 75m  |
| Tablet Operating System  |
| Android  |

## Applications

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



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