

Threat-Sense

Designed to provide military vehicles with the ability to detect and displace scatterable-mines, Threat-Sense and Threat-Pathway overcome the fatal challenges to mobility which present a rising threat to all military vehicles, both armoured and non-armoured. These products can be used together or independently. This product sheet describes Threat-Sense.



THREAT-SENSE

Threat-Sense uses artificial intelligence to identify surface laid threats. Deep learning algorithms can detect anti-tank and anti-personnel mines and indicate to operators in varying environmental conditions where threats are present.

The fully passive system simultaneously analyses video streams in real-time from visual and thermal cameras mounted on the vehicle. If any threats from a pre-programmed and trainable library are detected in either the visible or infrared spectrums, they are highlighted on a screen fitted within the vehicle and an audible warning is sounded.

PRODUCT CHARACTERISTICS

- + Detects surface laid mines ahead of the host vehicle, classifying the type of threat and reporting a threat confidence level
- + Supports decision making
- + Provides confidence in manoeuvre
- + Enhances understanding
- + Reduces cognitive effort without over-riding human decision making
- + Capable of detecting threats in adverse weather conditions (rain, smoke, fog, mist etc.)
- + Can be installed onto any host vehicle with sufficient electrical power budget and space volume
- + Minimal installation time
- + Small size and low mass
- + Can utilise an existing vehicle camera suite and in-vehicle monitors
- + Fully passive system with no radiated emissions
- + Threat library can be extended per customer requirements

SUITABLE FOR:

- + All military vehicles



PEARSON ENGINEERING'S SCATTERABLE MINE DEFEAT SOLUTION

