Joint Service Lightweight Standoff Chemical Agent Detector

JSLSCAD

Description

The JSLSCAD is a lightweight, passive, standoff, chemical warfare agent (CWA) vapor detector that improves upon the capabilities of the current M21 Remote Sensing Chemical Agent Alarm (RSCAAL). It is a line-of-sight, infrared (IR) detection system that provides up to 360° coverage by 23° elevation, while stationary or on-the-move, at distances up to two (2) kilometers. JSLSCAD provides warfighters an early warning capability to avoid contaminated battle spaces or, if avoidance is not possible, time to don full protective equipment (i.e., Mission Oriented Protective Posture (MOPP) gear). The JSLSCAD provides these capabilities while integrated within the Army Stryker Nuclear Biological Chemical Reconnaissance Vehicle (NBCRV).

Mission

Provide standoff detection and warning from nerve and blister agent vapor clouds.

Capabilities

- Detects, identifies and reports nerve and blister agent vapor clouds
- Mounts on ground platforms
- Provides up to 2 kilometers detection range
- No operator required
- Automatic warning and reporting through JWARN

Users

US Army

Status

Production and Deployment

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