

# HMDS DESKTOP TRAINER



The HMDS Desktop Trainer uses the same software and touch screen interface as found on the VCTS and operational HMDS, therefore, providing a seamless training capability. By design, the HMDS DT is easy to operate by unit personnel. Upon fielding, the BEB Route Clearance platoons will now have the ability to train VMMO operators on proper HMDS employment, operation, and detection of explosive hazards.



## HMDS DT Features

Small footprint, will fit on a standard desktop found in most office spaces

Quick set-up; closed-case to ready-to-train in less than 30 minutes

Same interface and terrain databases as in VCTS, same explosive hazards detection library

Provides a seamless transition from HMDS DT to VCTS to CTC Surrogate VMMDs to operational VMMDs

Immersive training environment including driving controls, Graphical User Interface display, HMDS remote power, e-stop, and marking pump controls for familiarization and sustainment of individual collective skills

High-fidelity replication of system power up/ power down, deployment, and stowing

Calibration (Sky Shot), and detection

Upgradeable to match planned engineering changes (e.g., deep buried detection)

Capability to accept events in real-time to include addition, deletion, and movement of threat objects by an instructor

Crosstrack display, Full Route History, Scroll bar, Functional Flat View, Cube Views, Distance Markers, Algorithm Mode Display, and 3 Meter Backup Functionality

Simulation of day/night, precipitation/dry, carrying intensity of rain and snow, dirt, sand, paved, gravel, water, snow, conditions

Replicated buried depth of objects, material characteristics of objects, and orientation of the object

Three warning tones for over speed, object detection, and system error or HMDS malfunctions

Wire Detection capabilities

Deployable, enables cross-training of additional operators during drills, Annual Training, or at CTCs