

# ELECTRONIC COUNTERMEASURES SCORPION™

## Man-Portable, Hybrid Electronic Countermeasures (ECM) to defeat RCIEDs

SCORPION™ is the man-portable capability from Allen-Vanguard, one of the largest providers of ECM worldwide. It capitalizes on a wealth of operational feedback and a long history of effective ECM to protect personnel from the prevalence of the Radio Controlled Improvised Explosive Device (RCIED).

The threat against deployed forces has never been greater nor have their demands for effective, robust protection.

SCORPION™ delivers a hybrid, full spectrum system and threat band coverage protection for dismounted personnel on the move and at stationary checkpoints. SCORPION™ provides effective protection and can be customized to a variety of situations including military foot patrols, VIP protection, Explosive Ordnance Disposal (EOD) carry forward and specialist response teams. Superior usability, combined with advanced technologies, makes SCORPION™ a flexible and powerful response to present and future RCIED threats.



Unit is available in alternate colours

ALLEN  VANGUARD®

# SCORPION™

## Portable, Multi-Role & Hybrid Electronic Countermeasure to RCIEDs



### SPECIFICATIONS

#### PERFORMANCE

Frequency Coverage	➤ Any two of three fully configurable modular Power Amplifiers (PA) per main unit Full hybrid (user defined combination of active/reactive) across 20 MHz to 6 GHz
Effectiveness	➤ Maximum protection through the use of optimized waveforms
RF Output Power	➤ Variable up to 20W per channel (PA dependent)
GPS	➤ Fully integrated antenna/receiver to provide synchronization to 1PPS
Antennas	➤ Optimized omni-directional
Power	➤ One or two 2590; change of batteries without inhibition loss ➤ External power adapter for vehicle/mains supply

#### PHYSICAL

Unit Weight	➤ ~6.5 kgs (~14.5 lbs)
Unit Dimensions	➤ 40.6 cm (H) x 35.6 cm (W) x 15.2 cm (D) (16" x 14" x 6") ➤ Available in standard colours

#### ENVIRONMENTAL

Operating Temperature	➤ -25°C - +50°C - (-13°F - +122°F)
Storage Temperature	➤ -50°C - +70°C - (-58°F - +158°F)
Humidity	➤ 95% RH (non-condensing)
Standards	➤ Mil Standards - 461, 810
Cooling	➤ Convection (for silent operation)

#### INTERFACES

PA Antennas	➤ N-Type connector
External Power Supply	➤ 24 VDC – 32 VDC
Communications Port	➤ Mil Standard 22-position circular connector
External Sync	➤ 1PPS in/out via communications port
Control Panel	➤ Intuitive interface with clear, unambiguous status of system; battery charge indicators; fault indicators; mission fill selector, jam/standby, system on/off, mechanically protected system erase, visual/audible indicator enable, night vision optics compatibility mode; controls; GPS sync indicator
Remote Control Unit (option)	➤ Jam/standby, system erase, visual/audible indicator enable, fault reporting

#### SOFTWARE

Field Upgradeable	➤ Built-in-Test (BIT) ➤ Graphical User Interface (GUI), simple and intuitive operation
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#### POWER SUPPLY

Internal Battery	➤ Up to two lithium-ion 2590 style batteries (up to 2.5 hours dependent on mission) ➤ Hot swappable
Voltage (internal/external)	➤ +28 VDC (nominal)

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Allen-Vanguard is ISO 9001:2015 Certified



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