

A large, dark silhouette of a military vehicle, possibly an armored personnel carrier, is positioned in the center of the frame. Several soldiers are visible on top of the vehicle, their forms also in silhouette. The background is a bright, orange-hued sky, suggesting a sunset or sunrise. The overall scene is dramatic and emphasizes the rugged nature of the equipment.

GROUND VEHICLE SOLUTIONS

Rugged Recorders, Computers and Displays

TRUSTED INNOVATOR OF RUGGED VETRONICS FOR THE CONNECTED FORCE

Spectra Defense Technologies offers over half a century of rugged, mission-ready, battle-tested capabilities and products to solve the challenges of the modern battlefield. Our integrated solutions span the data continuum and defense domains.



GROUND VEHICLE SOLUTIONS

Rugged Recorders, Computers and Displays

CAPTURE

CONVERT & ROUTE

PROCESS

DISPLAY

CONTROL



The Recorder, Integrated Processor, and Router (RIPR) series delivers flexible, low SWaP solutions for temporary or permanent sensor data acquisition, recording and streaming on mobile platforms. Any-to-any data routing, video compression, combined with precise packet timing simplifies data analysis, while open standard data formatting prevents vendor lock and enables AI-driven analytics.

CAPTURE

CONVERT & ROUTE

PROCESS

DISPLAY

CONTROL



The High Performance Recorder is designed specifically for in-vehicle processing applications. Built to meet the most severe environmental conditions without compromising functionality or performance, the system boasts a wide range of features including removable storage with multi-layer encryption, high-performance graphics, multiple gigabit Ethernet ports, and compatibility with military vehicle standards such as VICTORY and GVA.

CAPTURE

CONVERT & ROUTE

PROCESS

DISPLAY

CONTROL



Spectra provides a wide range of rugged LCD displays for ground vehicles in various sizes ranging from 5.0" to 43", including sunlight readability and NVG compatibility. Various standard options include bezel keys, cold start capability and rugged AR touch screens. Additionally, Spectra offers a suite of rugged peripherals, including NIAP-certified KVM switches and keyboards.

RUGGED. MISSION-READY. BATTLE-TESTED.



Spectra delivers comprehensive rugged vetronics for military ground vehicles. Our integrated solutions span the complete data continuum from capture and recording systems to mission computers, encrypted storage and rugged displays (5"-43").

Spectra provides battle-tested, low SWaP equipment including data acquisition units, video & data routing, GCIA/GVA-compatible processors and ruggedized workstations designed for the harshest battlefield environments.

End-to-end information products & systems, when it matters most,
Spectra is the solution.

CONTACT US

Let us know how Spectra's full suite of rugged information products & systems can help meet your needs. We look forward to answering your questions and discussing your program requirements with you.



North American Operations

- Las Cruces, New Mexico – Recording & Processing Systems
- Alpharetta, Georgia – Display & Computing Solutions
- Houston, Texas
- Fort Worth, Texas
- San Diego, California

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