



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.

CAPTURE	CONVERT & ROUTE	PROCESS	DISPLAY	CONTROL
CAPTURE	ACQUISITION			RECORDING
	 FIREWIRE (1394) DATA ACQ UNIT  M1401 VIDEO/AUDIO/ DATA ACQ UNI	 TITAN XMC SERIES OF I/O CARDS		 RIPR 1401 RECORDER  XSR ENCRYPTED RECORDER  RAPTOR FO RECORDER
CONVERT & ROUTE	FORMAT CONVERSION			ROUTING
	 VIDEO CONVERTERS & EXTENDERS  M1401 VIDEO/AUDIO/DATA ETHERNET ENCODER			 HIGH SPEED FIBER CROSSPOINT SWITCH  POE SWITCHES 8-24 PORT GBE (CONCEPT)
PROCESS	NAS & FILE SERVING			MISSION COMPUTING
	 XSR ENCRYPTED NAS  G1 MICRO SERVER			 HPR PROCESSOR  ACB100/200 EDGE COMPUTER
DISPLAY	WORKSTATIONS			DISPLAYS
	 RWS15 EXTREMELY RUGGED WORKBOOK  AT213 PORTABLE FIRE CONTROL STATION			 5"-8.4" SMALL FORM PORTABLE DISPLAYS  10.1"-15" MFD DISPLAYS
CONTROL	TABLET DISPLAYS			USER INTERFACE
	 5" - 21" RUGGED HANDHELD/PORTABLE TABLETS			 RUGGED PORTABLE & FIXED MOUNT KEYBOARDS  TOUCHSCREEN CONTROL PANELS

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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

International Operations

- Oslo, Norway
- London, UK
- Munich, Germany

Contact Information

Sales: sales@spectradefense.tech
US: +1 281-769-8211
International: +47 2108 0290

Learn more at spectradefense.tech

