

THE VALUE OF PERFORMANCE.

NORTHROP GRUMMAN

Smart integrated Vehicle Area Network (SiVAN) Survivable Vehicle C4ISR/EW

SiVAN is a highly survivable, user friendly, "true" plug-and-play information network that seamlessly fuses current disparate technologies together into one integrated infrastructure. An infrastructure that ultimately serves as the foundation for adding all future capabilities.



Features	Benefits
Highly fault tolerant survivable distributed architecture	Ring architecture yields superior survivability with no single point of failure
Extremely low latency, multi-channel video support	Allows near real-time display of video to any display on the vehicle
User friendly / Flexible Graphics User Interface (GUI)	Easy to use - intuitive system operation results in reduced training time
Low SWaP compared to alternative solutions with minimal cabling required	Small footprint within vehicle with small/light cable runs - allows for efficient relocation of electronics in more convenient vehicle spaces
Scalable power / Low power consumption	Reduced vehicle power requirements - allows for "Silent Watch" capability
One touch operator defined cross cueing	Improves situational awareness - system can automatically react to immediate threats
Extremely scalable design (only install what is required)	Tied to the VICTORY Architecture - flexible open architecture enables rapid integration of third party software and hardware
Commonality of hardware (boxes and cables) across vehicle platforms	Simplified troubleshooting - ready to support diagnostics and CBM capabilities
Share C4I Data between vehicles and dismounted personnel	Enables complete control of vehicle C4I network via low cost COTS smart mobile devices while enabling the "Soldier as a Sensor"

THE VALUE OF PERFORMANCE.

NORTHROP GRUMMAN

Smart integrated Vehicle Area Network (SiVAN) Survivable Vehicle C4ISR/EW

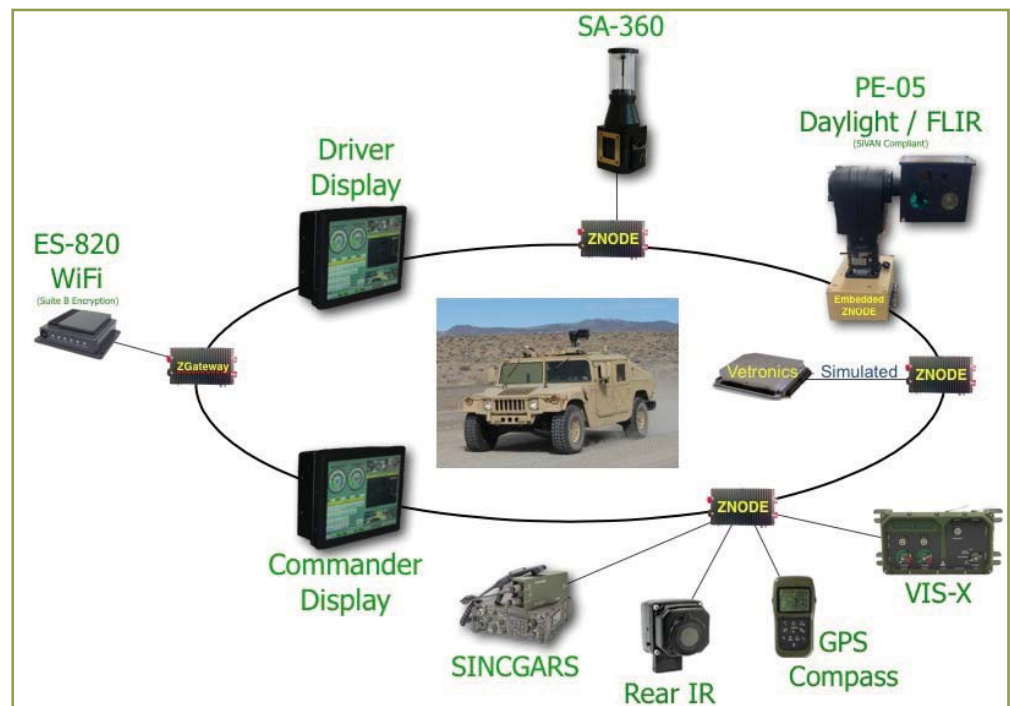
Today's threatening realities have prompted an explosion of digital-age warfighting technologies. But the rapid adoption and expeditious integration of these technologies has created its own set of challenges — challenges that unnecessarily add cost and complexity to tactical wheeled vehicles. While providing many operational advantages, today's modern mission packages use unique wiring harnesses, displays, and interfaces that require extensive support. It's why Northrop Grumman has developed SiVAN. The Smart integrated Vehicle Area Network that resolves these challenges, adds new capabilities, and, ultimately, reduces cost.



ZVID



ZNode



SiVAN Components:

ZVID (Smart Display):

- A smart display that allows system and sensor data to be displayed in user defined configurations.
- Available with 10", 12" and 15" diagonal screens

ZNode (Device Interface Node):

- Allows systems and sensors with unique and different interfaces to be connected to a common Ethernet bus
- Designed to plug-and-play with:
 - FBCB2
 - EPLRS

- Defense Advance GPS Receiver (DAGR)
- Drivers Vision Enhancer (DVE)
- SINGARS (Series E and higher)
- Radio jammers
- Acoustic shot detector
- 360-degree optical system
- RASCAL UAV Video Feeds and Control
- Cameras, Lasers (pointer, range finder, designator)
- FLIR Systems Mariner 3-5u FLIR with gimbal
- Digital Accelerometer Compensated Compass

Cable Assemblies:

- Power, Ethernet, I/O Cables

For more information, please contact:
Northrop Grumman Corporation
7055 Troy Hill Drive
Elkridge, MD. 21075
Manager, Business Development
Phone: (410) 471-3344
<http://www.es.northropgrumman.com/solutions/sivan>

Specifications and features subject to change without notice.
©2011 Northrop Grumman Corporation

DS-450-VFB-0911
A330: ES20110506
2011 Graphic Arts

