



RELIABLE IN THE EXTREME.

360SA

INTEGRATED VISION SYSTEM

360° SITUATIONAL AWARENESS SYSTEM

Integrated 360° vision engineered to enhance crew survivability and mission awareness.

KEY FEATURES



360° All-Around Surveillance



Ultra-Low Video Latency



Closed-Hatch Operations



Ruggedized Mil-Spec Cameras



C4ISR System Integration



Real-Time IP Video



Enhanced Crew Survivability



Day & Thermal Fusion Imaging



Integrated Driver Displays



Modular & Configurable Architecture



PRODUCT OVERVIEW

The 360SA is an integrated vision system designed to provide armored vehicle crews with real-time, all-around visibility during closed-hatch operations. Combining ruggedized cameras, advanced video processing, and driver displays, the system reduces blind spots, enhances threat assessment, and supports safer vehicle maneuvering. Its modular, scalable architecture can be configured for a wide range of tracked, wheeled, armored, personnel carrier, and support vehicle platforms.



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TECHNICAL CAPABILITIES & SYSTEM COMPONENTS

The 360SA integrates ruggedized cameras, real-time video processing, and intelligent driver displays to provide enhanced situational awareness for armored vehicles. Its modular, scalable architecture supports configurable integration across tracked, wheeled, armored combat, personnel carrier, and support vehicle platforms.



SYSTEM CAPABILITIES

Surveillance	360° all-around vehicle visibility
Video	Real-time IP video
Latency	Ultra-low glass-to-glass latency
Driver Interface	CAN inputs from vehicle driver interfaces
Architecture	Modular, scalable, and configurable
Integration	Open-system C4ISR integration



DIGITAL VIDEO CONTROL UNIT

Processing	Real-time video with minimal latency
Video Inputs	Multi-channel CVBS / SDI
Video Outputs	Multiple display outputs
Architecture	RS422, GigE Vision Control & Discrete I/O
Integration	RS422 interface



INTELLIGENT DRIVER DISPLAY PANEL (IDDP)

Driver Vision	Enhanced visibility and vehicle maneuvering
Vehicle Information	Vehicle status information displayed on-screen
Navigation	On-screen markers for nearby obstacles
Camera Selection	Automatic based on forward/reverse gear or manual selection



SYSTEM SUPPORT

System Conceptualization & Design	Engineering support from system concept through design.
Manufacturing & Procurement	Manufacturing and procurement support for system implementation.
System Integration	Integration of 360SA components into the vehicle platform.
Warranty & Maintenance	Ongoing warranty and maintenance support.

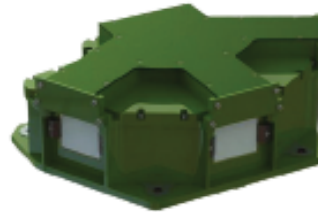
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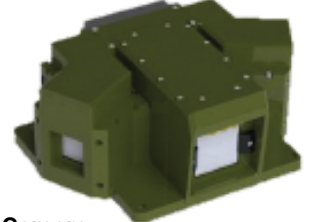


PRODUCT CONFIGURATIONS

Triple Fusion Camera



Center Fusion Camera



Single Fusion Camera



Digital Video Control Unit



Intelligent Driver Display Panel



MISSION CAPABILITIES

- Threat assessment before dismount
- Driver vision enhancement
- Closed-hatch driving
- Reduced vehicle blind spots
- Safer vehicle maneuvering
- Real-time 360° surveillance
- Configurable for mission requirements
- Integration with other C4ISR systems



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