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INKAS® and TigerVision Launch TAA-Compliant Tactical Cockpit Platform for the M1 MRAP at CANSEC 2026

New Mobile Command-and-Control Environment Delivers 360° Situational Awareness, Sensor Fusion, and Enhanced Crew Survivability While Inviting Strategic Industry Partners to Join the Ecosystem



OTTAWA, CANADA – CANSEC 2026 – INKAS® Aerospace & Defence and TigerVision today announced the launch of the M1 MRAP Tactical Cockpit™, a next-generation immersive situational awareness and command-and-control platform integrated into the INKAS M1 MRAP armored vehicle.

Unveiled at CANSEC 2026, the Tactical Cockpit transforms the traditional armored vehicle into an intelligent mobile command environment, enabling operators to maintain full battlefield awareness while remaining safely protected inside the vehicle.

Built upon TigerVision's patented immersive visualization technologies, the platform delivers a shared, real-time operational picture across the entire crew compartment. The system integrates optical cameras, thermal imaging, LiDAR, drone feeds, mapping systems, vehicle telemetry, and tactical data into a unified command interface designed to improve decision-making, survivability, and mission effectiveness.

SEE EVERYTHING. STAY INSIDE.

As modern warfare evolves, situational awareness has become as critical as armor itself. The proliferation of FPV drones, loitering munitions, reconnaissance drone swarms, and increasingly sophisticated battlefield threats has exposed significant limitations in traditional armored vehicle operations.

The **M1 MRAP tactical solution** addresses this challenge by providing a 360-degree immersive situational awareness environment that enables commanders, drivers, and tactical personnel to identify and assess threats in real time without requiring crew exposure through hatches or reliance on individual head-mounted systems.

The platform also provides troops with a comprehensive understanding of their immediate surroundings before dismounting — a capability that was critically absent in previous-generation armored vehicles, where crews were forced to rely on a single, small display shared across the entire compartment and prone to distortion during weapons fire.

The result is faster threat detection, improved coordination, enhanced command and control, and increased crew survivability.

“The battlefield is becoming increasingly connected, autonomous, and sensor-driven,” said Matt Coleman, President of TigerVision. “The Tactical Cockpit was designed to provide operators with a comprehensive understanding of their environment while maintaining the protection of the vehicle. By bringing sensor data, tactical information, and visual awareness into a unified command environment, we are helping to define a new generation of mobile command-and-control platforms.”

KEY CAPABILITIES

- TAA-Compliant LED Display Technology
- 360° Immersive Situational Awareness and Pre-Dismount Threat Assessment
- Crew-Wide Shared Operational Picture
- Sensor Fusion Integrating Optical, Thermal, LiDAR, Mapping, and Tactical Data
- Real-Time Threat Detection and Tracking
- Integrated Drone and Counter-UAS Visualization
- Layered Information Display Across Immersive Screens
- Enhanced Command-and-Control Operations
- Mission Planning and Training Applications
- Open Architecture Integration Framework
- Fully Protected Operation with Zero Crew Exposure

Unlike conventional approaches that often limit situational awareness to a single operator, the TigerVision tactical solution delivers simultaneous visibility and access to all vehicle occupants. This shared operational picture reduces communication bottlenecks, improves team coordination, and accelerates mission-critical decision-making.

By simultaneously ingesting drone feeds, LiDAR data, and optical camera imagery — and presenting that information in a consolidated, actionable format across all crew displays — the Tactical Cockpit enables real-time decision-making for survivability and mission success that was simply unavailable to previous generations of operators. Where earlier vehicles relied on separate, disconnected systems, the Tactical Cockpit consolidates all data onto immersive screens with layered visualization: live video, LiDAR, drone feeds, and battlefield management system overlays displayed simultaneously and accessible to every member of the crew.

This shared access fundamentally changes crew dynamics. Rather than depending on a single crew commander to process and relay situational information, every soldier becomes an active

participant in battlefield awareness. Critically, this eliminates the need to redirect the gunner from engaging targets in order to verify a potential threat elsewhere — the crew has sufficient screen real estate to independently assess threats in real time without disrupting ongoing engagements, enabling a faster, better-coordinated response.

The platform incorporates high-performance TAA-compliant LED display technology engineered for defense, government, and critical infrastructure environments. The ruggedized architecture supports operation in demanding conditions while providing exceptional image quality, low latency, high refresh rates, and long-term reliability.

OPEN ARCHITECTURE FOR THE FUTURE BATTLEFIELD

The Tactical Cockpit was engineered as an open architecture platform capable of integrating a broad range of third-party technologies and mission systems.

The companies are actively pursuing collaborations with organizations developing:

- ISR and Intelligence Systems
- Thermal and Multi-Spectral Sensors
- LiDAR and Radar Technologies
- Autonomous Vehicle Systems
- Drone and Counter-UAS Solutions
- AI-Enabled Decision Support Platforms
- Battlefield Management Systems
- Communications and Networking Technologies
- Navigation and Mapping Platforms
- Command-and-Control Applications
- Homeland Security and Critical Infrastructure Solutions

INKAS® “Survivability isn't just armor it's an amalgamation of hard lessons from the Ukraine, Latvia and every engagement that has reshaped what we thought we knew. In today's battlefield, 360° awareness, low thermal signature, silent watch and the ability to see both the ground and the sky aren't options—they're foundational. What we're enabling isn't just a better vehicle; it's a new procurement logic, a platform that can adapt, modernize and keep pace with a battlefield that keeps evolving.”

STRATEGIC PARTNERSHIP

The launch represents a significant milestone in the strategic collaboration between INKAS® Aerospace & Defence and TigerVision.

By combining INKAS®' globally recognized expertise in armored vehicle engineering and manufacturing with TigerVision's patented immersive visualization technologies, the companies have created a platform designed to meet the evolving operational requirements of military, homeland security, law enforcement, border security, and critical infrastructure organizations worldwide.

The M1 MRAP Tactical Cockpit is now available for demonstrations, technology evaluations, pilot programs, and government assessment initiatives.

Organizations interested in technology integration, joint demonstrations, SBIR/STTR opportunities, NATO programs, procurement initiatives, or strategic partnerships are encouraged to contact TigerVision and INKAS® directly.

ABOUT TIGERVISION

TigerVision develops patented immersive visualization technologies for defense, aerospace, command-and-control, simulation, training, transportation, and critical infrastructure applications. The company's advanced display and visualization platforms are designed to enhance situational awareness, decision-making, and operational effectiveness in mission-critical environments.

ABOUT INKAS® AEROSPACE & DEFENCE

Since 2000, INKAS® Aerospace & Defence has been a global leader in the design, engineering, and manufacture of armored vehicles for military, law enforcement, government, and high-security applications. INKAS® delivers advanced mobility and protection solutions to clients worldwide.

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Technology partners, system integrators, sensor manufacturers, AI developers, drone companies, counter-UAS providers, defense primes, and government agencies interested in participating in future demonstrations or integration programs are invited to contact TigerVision and INKAS®.

