

INTELLIGENT MUNITIONS SYSTEM

The controlled ground munition for the current and future force



Photo courtesy of US Army

Dominating the battlespace with network centric solutions

Textron Defense Systems' Intelligent Munitions System (IMS) is a revolutionary networked munitions system that brings unprecedented force protection capability to the battlefield and is a solid contributor to situational awareness. IMS integrates sensors, munitions, and networking technologies to detect, track, classify, report, engage and destroy light wheeled and heavy tracked vehicles as well as enemy personnel making it effective for Battle Space Shaping, Force Protection, Economy of Force and Assured Mobility.

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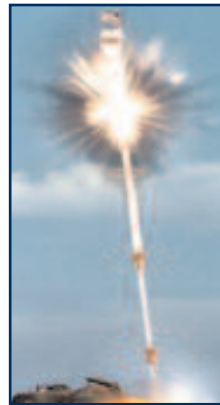
Providing unprecedented situational awareness and force protection

Textron Defense Systems' IMS is ideally suited for a full spectrum of operations from Major Contingency Operations (MCOs) to Stability Operations in both open and rolling, and urban environments. IMS enables the warfighter to rapidly secure a small unit perimeter or deny mounted avenues of approach. It attacks all types of vehicles from concealed off route locations without visual clues.

IMS will enhance the force's Intelligence, Surveillance and Reconnaissance (ISR) capabilities and enable the warfighter to shape the battlefield with precise effects. Consistent with the Army's modernization strategy, IMS provides Soldiers with the best fighting capabilities while simultaneously developing enhancements that are essential for future operations.

The only wide area, top attack solution for maximum target effectiveness

Within minutes of emplacing IMS on the ground the warfighter creates a wide area engagement zone in which precise, discriminating, lethal or non-lethal effects can be applied. The all weather capability engages targets with Man-in-the-Loop (MITL) control using a host of engagement tactics that support Army and Joint Mission sets and rules of engagement while reducing collateral damage. When enabled, IMS launches a combat proven top attack munition toward intruders from camouflaged, off-route position—achieving a maximum surprise effect.



Hardware

IMS Dispense Module (DM)



- Modular components for enhanced capability
- Dispense Module supports transition, hasty and deliberate defense, cordon and search, isolation of urban areas, route and convoy security
- Overlapping coverage from four anti-vehicle munitions
- Four Spider AP Grenades protect munitions
- Dispense Modules are the building block for larger fields to secure fixed facilities, forward operating bases or other key infrastructure and urban areas

IMS Command & Control Station



- Multipurpose rugged mobile computer
- Secure radio communications to multiple Dispense Modules

Operational Benefits

- Immediate, selective, precise stand-off controlled ground munition
- Scalable effects including lethal/non-lethal capabilities
- Operates in all environments
- Top attack design is immune to traditional breaching techniques
- Persistent surveillance
- Weeks of force protection without restricting friendly force movement
- Greater lethal area coverage allows reduction of the logistics burden
- Enables friendly maneuver while hindering the enemy
- Resistant to conventional obstacle clearing countermeasures

IMS Features

- Battle proven components
- Safe passage
- Command self-destruct
- Man-in-the-Loop control
- Anti-tamper features
- Meets the National Landmine Policy



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