



## Military Mobile VACIS® imaging system

Nonintrusive, all-terrain mobile imaging for high-risk environments



**The Military Mobile VACIS system helps operators spot threats, contraband, and suspicious items through more than six inches of steel.**

The challenge: customs, security and military personnel need to search vehicles and cargo for threats, contraband, and other suspicious items in a variety of high-risk environments featuring difficult terrain, harsh climates, and ballistic threats. The solution: SAIC's versatile Military Mobile VACIS imaging system.

Featuring proven, reliable gamma-ray imaging technology mounted on a rugged, all-terrain, all-wheel-drive, up-armored High-Mobility Multipurpose Wheeled Vehicle (HMMWV), the Military Mobile VACIS system captures images of the contents of vehicles in hostile environments and over difficult terrain.

The system is ideal for assisting inspection operations at temporary or permanent security checkpoints and border crossings; military bases and other secure facilities; on streets, highways and unimproved roads; in high-risk areas; and even in rugged, remote locations.



**The Military Mobile VACIS system consists of a main vehicle, a remote-controlled source cart, and a trailer for transporting the cart.**

### Capabilities:

- Brings nonintrusive imaging to rugged, remote locations
- Imparts extremely low radiation dose per scan
- Penetrates through more than six inches of steel
- Operates in stationary mode for high throughput
- Operates in moving mode to scan unoccupied vehicles from bumper to bumper
- Entirely self-contained; can be deployed in minutes by trained operators
- Can be operated from up to 280 ft away for high-risk inspection scenarios
- Provides level III armor protection against ballistic and blast threats
- Compatible with military JP-8 fuel

### Versatile imaging capabilities

For highest throughput, the flexible Military Mobile VACIS system can operate in stationary mode, where vehicles drive through the stationary system—in this mode, only the cargo areas of the vehicles are scanned. The system can also operate in moving mode, with the system's vehicle platform and source cart move synchronously past unoccupied vehicles, scanning them from bumper to bumper. For high-risk scanning scenarios, the system can be operated remotely from up to 280 feet (85 meters) away in stationary mode, allowing operators to maintain a safe distance from scanned vehicles.

### All-terrain military platform

To reach rugged, remote locations, the Military Mobile VACIS system is mounted on a rugged, all-terrain, all-wheel-drive HMMWV chassis designed for compatibility with current U.S. military specifications. The HMMWV can operate on military JP-8 fuel. The system's trailer is equipped with a military-style pintle hitch and a standard 24-volt military electrical connection. The entire system is C-130 (or equivalent) airlift compatible.

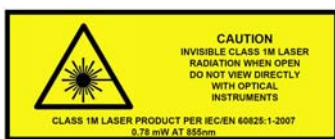
### Focus on safety

SAIC's patented detector technology allows trained inspectors see the contents of closed vehicles and containers through more than six inches of steel. Yet, the system's direct radiation dose per scan to cargo is extremely low — hundreds of times less than a dental X-ray — and the scatter dose to drivers, operators, and bystanders is even lower.

To enhance operator safety during scanning operations, the Military Mobile VACIS system is equipped with military-grade level III armor protection against ballistic and blast threats.

### SAIC — a world leader

SAIC is a world leader in nonintrusive imaging technology, with hundreds of systems installed for government and commercial clients around the world. Every VACIS system is available with SAIC's dedicated installation, training, maintenance and technical support.



### SAIC Security and Transportation Technology

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