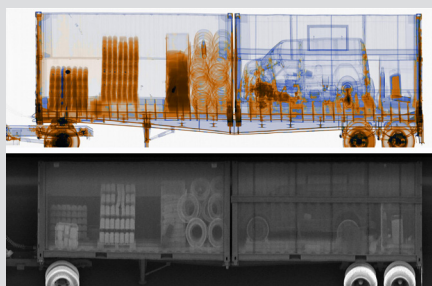


EAGLE M60 ZBx

HIGH-ENERGY, MULTI-TECHNOLOGY MOBILE INSPECTION SYSTEM

KEY FEATURES AND BENEFITS

- High-quality imaging with material discrimination
- Z Backscatter imaging for enhanced detection of organic threats and contraband
- Multiple scan modes for maximum flexibility



The Eagle M60 ZBx produces two X-ray images in a single scan: a high-energy transmission image and a Z Backscatter image.

The Eagle[®] M60 ZBx is an advanced mobile inspection system that combines high-energy transmission imaging with Z Backscatter[®] technology for comprehensive inspection of cargo and vehicles. The transmission image provides high penetration and resolution with material discrimination while Z Backscatter technology provides photo-like images that highlight organic threats and contraband such as drugs, currency, cigarettes, and explosives.

The Eagle M60 ZBx is a highly versatile system that offers multiple operational modes including drive-by mode, portal mode with CabScan[®] technology, driverless operation, and Z Backscatter-only scan mode. The system is easily driven over public roads and quickly deployed after arriving on site.

SPECIFICATIONS

EAGLE M60 ZBx

TYPICAL DRIVE-BY PERFORMANCE

	M60-S	M60-T	M60-R
Steel Penetration	310 mm	330 mm	320 mm
Wire Resolution	1.2 mm	1.2 mm	0.8 mm
Spatial Resolution	4 mm (H) 4 mm (V)	4 mm (H) 4 mm (V)	3 mm (H) 3 mm (V)

OPERATING FEATURES

- **X-ray Source:** 6 MeV
- **Crew:** Minimum of two operators (driver and analyst); ground guide and additional analysts optional
- **Scan Modes:** Drive-by mode, Z Backscatter-only mode, and optional portal and CabScan modes
- **Scan Direction:** Bi-directional in drive-by mode
- **Scanning Speed:** 0.13, 0.26, 0.4 m/s in drive-by; 3–8 km/hr in portal mode
- **System Throughput:** Up to 70 trucks per hour in portal mode
- **Set-up Time:** 20 min in standard operating environment
- **Shore Power Requirements (option):**
 - **50 Hz:** 400 V, 63 A, 44 kVA
 - **60 Hz:** 220 V, 125 A, 48 kVA

SYSTEM DIMENSIONS AND SPECIFICATIONS

Chassis

- **Mercedes-Benz® Truck:** As determined by country homologation

Stowed Dimensions

- **Length:** 11.0 m (36 ft 1 in)
- **Width:** 2.5 m (8 ft 2 in)
- **Height:** 4.0 m (13 ft 1 in)

Deployed Dimensions

- **Length:** 11.0 m (36 ft 1 in)
- **Width:** 8.0 m (26 ft 3 in)
- **Height:** 5.9 m (19 ft 4 in)

ENVIRONMENT

- **Operating Temperature:** -10 °C to 40 °C (14 °F to 104 °F)
- **Maximum Wind Speed:** 40 km/hr

HEALTH AND SAFETY

- **Open Radiation Exclusion Zone¹ (in drive-by mode; 25 trucks per hour):**
40 m L x 50 m W (131 ft 3 in L x 164 ft W)
- **Radiation Dose at Exclusion Zone Boundary:** 0.5 µSv in any one hour
- **Radiation Dose to Driver (in portal mode):** Less than 0.25 µSv per scan
- **Radiation Dose to Crew:** Less than 0.5 µSv in any one hour
- **Radiation Dose to Cargo:** Less than 10 µSv per scan

¹ L = Scan direction. W = Beam direction.

The performance characteristics and photos in this document are indicative and for information only and do not represent any specific system configuration. Specifications and features of individual systems will vary based upon customer requirements, operation, supplied options, and other factors. Customers must refer to the relevant quote, proposal, or contract for the definition of a system configuration, including specifications and optional items.

Due to continual development of our products, we reserve the right to amend any of the information listed here without notice. Please note that due to U.S. laws and regulations, not all products are available for sale in all countries without restriction.

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SYSTEM OPTIONS

- **Portal Mode:** Supports the drive-through scanning of traffic. Requires the purchase of traffic control and monitoring devices
- **CabScan Mode:** While in portal mode, safely scans the cab of the truck from front bumper to start of cargo
- **Driverless Mode:** System scans vehicles by autonomously moving between start and stop markers
- **Variable Boom:** Allows the operator to set the detector at 5–10 degrees from perpendicular to obtain an angled view of scanned cargo
- **Integrated Peripheral Devices:** License/number plate recognition system and container code recognition system
- **Extreme Cold Weather Package:** Extends the system operating temperature to -40 °C
- **Extreme Hot Weather Package:** Extends the system operating temperature to +55 °C
- **Car Scanning Ramp:** Stowed on board

InSight™ Intelligent Image Analytics

- **InSight High Density:** Identifies high-density anomalies (transmission image only)

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