

# MINI Z

## Handheld Backscatter Screening System



*baggage & parcel*

*inspection  
technology*

The MINI Z® system is the world's most powerful Z Backscatter® imaging system, highlighting organic threats and contraband and providing unsurpassed operational flexibility.

With its small form factor and single-sided imaging, the MINI Z system can scan a wide variety of targets, such as car doors and fenders; tires; furniture; packages; and the interiors of boats, vehicles and aircraft. The MINI Z system is completely self-contained, with no required set-up and no consumables to replenish. Simply power on the device and you're ready to scan. The MINI Z system is inherently low dose and features reliable and redundant safety subsystems.



### FEATURES AND BENEFITS

- Portable Z Backscatter imaging system
- Easy to use
- Safe for operators, bystanders and the environment



LEFT: MINI Z system scanning passenger door  
RIGHT: X-ray image of concealed currency

**Rapiscan®**  
systems

**AS&E®**

# MINI Z

## System Specifications

- X-ray Source: 10-watt 120 keV X-ray tube
- Interconnection Options: Wireless connection through built-in Wi-Fi; optional hard-wire via Ethernet cable MMINI Z scanner
- System Software: Microsoft® Windows® 10 IoT with ASE Inspection™ software

## Scanner Dimensions

- Length: 11.5 in (29.2 cm)
- Width: 9.8 in (24.9 cm)
- Height: 7.6 in (19.3 cm)
- Weight: 11 lbs (5 kg)

## Operating Time

- Scanner Battery: Four hours (typical) per battery; two batteries provided
- Scan Speed: Nominal 15 cm (6 in) per second
- Tablet Battery: Six hours, typical

## Transport Case Dimensions

- Length: 63.5 cm (25 in)
- Width: 49.5 cm (19.5 in)
- Height: 38.1 cm (15.0 in)
- Full System Weight: 22.6 kg (49.8 lbs)

## Environment

- Operating Temperature: 32° F to 113° F (0° C to 45° C)
- Storage Temperature: -40° F to 140° F (-40° C to 60° C)
- Operable in: Rain, snow, high winds, and altitudes up to 9,845 ft (3,000 m) nominally
- In Compliance With: CE directive 2004/108/EC

## Health and Safety

- Complies fully with all applicable U.S. federal health and safety regulations:
  - *ANSI/HPS N43.3–2008 Open System Classification*
  - *Conforms to applicable ANSI, ICRP, NCRP, and Euratom radiation safety standards for annual allowable dose for the general public*
  - *To help prevent inadvertent X-ray emission, the system is equipped with a series of interlocks and audiovisual indicators*
  - *Contains no live radiation source*

## Imaging Performance

Material Type	MINI Z Penetration*	Competing System as Published
Steel	4 mm	2.3 mm
Aluminum	17 mm	13 mm
Concrete	18 mm	15 mm
Carbon Fiber	36 mm	32 mm
Plastic	55 mm	51 mm
Drywall	38 mm	28 mm
Wood	100 mm	76 mm
Ceramic Tile	20 mm	10 mm
Rubber	55 mm	51 mm

\* Based on display of 76 mm thick organic object (HDPE) behind the obscurant material

