



## MINI Z AS&E

HANDHELD Z BACKSCATTER  
SCREENING SYSTEM

- PORTABLE Z BACKSCATTER  
IMAGING SYSTEM
- EASY TO USE
- SAFE FOR OPERATORS, BYSTANDERS  
AND THE ENVIRONMENT

### STAND-ALONE, PORTABLE, EASY TO USE

The MINI Z® system is the first portable Z Backscatter® backscatter imaging system for unmatched operational flexibility. Using the same technology that has made ZBV the world's best-selling cargo and vehicle inspection system, MINI Z's Z Backscatter technology highlights organic threats and smuggling. With its compact size and one-sided imaging, the MINI Z system can access hard-to-reach areas, allowing effective inspection of a wide variety of items, such as suitcases, walls, furniture, small boats, aircraft, vehicle tires and car interiors. The MINI Z system is the only portable x-ray device capable of producing images using one-sided imaging to quickly detect anomalies. The MINI Z system is completely autonomous, with no configuration required and no consumables to replenish. Simply turn on the device and you are ready to detect potential threats and smuggling.

### Z BACKSCATTER BACKSCATTER TECHNOLOGY

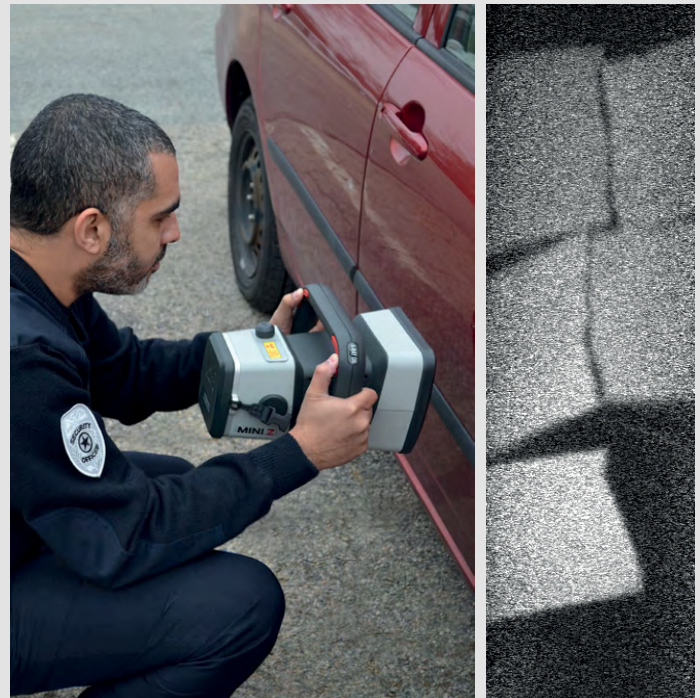
The MINI Z system uses Z backscatter technology, introduced and further developed by AS&E. Z Backscatter technology works by displaying the X-rays reflected by the object being analyzed. Organic objects, such as drugs and currency, reflect X-rays more than metal objects, and appear in bright white in MINI Z images (see images). The MINI Z is also very effective in revealing anomalies associated with structural modifications as well as compartments designed to hide contraband.

### SAFE, SECURE AND RELIABLE OPERATION

The MINI Z system has been designed with safety in mind and has reliable and redundant security subsystems. The MINI Z system is safe for operators, passers-by and the environment.



THE MINI Z IS THE WORLD'S FIRST PORTABLE Z BACKSCATTER SYSTEM. THE SYSTEM'S TECHNOLOGY HIGHLIGHTS ORGANIC THREATS AND SMUGGLING IN HARD-TO-REACH AREAS.



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



## MINI Z AS&E



### 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

### SCANNER DIMENSIONS

Length	29.2 cm
Width	24.9 cm
Height	19.3 cm
Weight	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
System software	Microsoft® Windows® 10 IoT with ASEInspection™ software

### TRANSPORT CASE DIMENSIONS

Length	63.5 cm
Width	49.5 cm
Height	38.1 cm
Weight	22.6 kg

### ENVIRONMENT

Operating temperature	0° C to 45° C
Storage temperature	-40° C to 60° C
Operable in	Rain, snow, high winds, and altitudes up to 3,000 m nominally
In compliance with	CE directive 2004/108/EC, NFC74-100

### 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
- NFC74-100 compiliancy

### SYSTEM COMPONENTS

- MINI Z scanner
- Microsoft Windows 10 IoT tablet with ASEInspection software
- Rugged tablet case with integrated wrist strap/stand
- Two replaceable batteries
- Battery charger (with international power cords)
- Transport case
- Calibration dock
- Quick-start guide
- Shoulder strap
- Tablet mount kit: includes a mount for the tablet and a shorter connector cable

### SYSTEM OPTIONS

- **Tactical backpack** : for greater portability
- **Tablet mount kit** : includes a mount for the tablet and a shorter connector cable
- **Language kits** : Arabic, Chinese, English (standard), French, Polish, Portuguese, Russian, Spanish

### HTDS

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