MINI Z® SYSTEM

Handheld Z Backscatter®
Screening System

baggage & parcel

inspection technology

The MINI Z handheld Z Backscatter imaging system highlights organic threats and contraband and provides unsurpassed operational flexibility.

With a 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. It is completely self-contained, with no required set-up. 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.

The Enhanced Detection Panel and TxD-Wireless options for the MINI Z system provide operators with the ability to detect more threats by providing more information about scanned objects. With these options, operators can select to acquire a transmission image of the object to detect metallic threats, such as guns and knives. The Tx-D Wireless option offers high-resolution transmission imaging and connects to the MINI Z system wirelessly.

FEATURES AND BENEFITS

- Portable Z Backscatter imaging system
- Superior penetration and image resolution
- New industrial design with more integrated features
- Easy to use
- Fully networkable
- Secondary operator support

The MINI Z 140 system offers superior penetration and image resolution.

MINI Z 140

SPECIFICATIONS

MODEL SPECIFIC SPECIFICATIONS

	MINI Z 140HR	MINI Z 140HP	MINI Z 160HR
X-ay Source	140 keV, 10 watts	140 keV, 10 watts	160 keV, 10 watts
Steel Penetration	6 mm	8 mm	10 mm
Spatial Resolution	1.2 mm	2.6 mm	2.6 mm

SYSTEM SPECIFICATIONS

- **Interconnection Options: Wireless connection through built-in Wi-Fi; hard-wire via Ethernet cable or optional Cellular/Cloud with 4G/LTE (customer cellular plan required)**

Scanner Dimensions

- **Length**: 7.9 in (20 cm)
- **Width**: 11 in (28 cm)
- **Height**: 7.1 in (18 cm)
- **Weight**: 12.3 lbs (5.5 kg)

Operating Time

- **Scanner Battery:**
  - Scanner operates on one pair of batteries
  - Three hours (typical) per battery pair
  - Two battery pairs provided (four batteries total)
  - Hot swappable for continuous operation
- **Scan Speed:** Nominal 15 cm (6 in) per second
- **System Software:** Microsoft® Windows® 10 with FlexInspect™ software

Transport Case Dimensions

- **Length:** 25 in (63.5 cm)
- **Width:** 19.5 in (49.5 cm)
- **Height:** 15.0 in (38.1 cm)
- **Full System Weight:** 50 lbs (22.7 kg)

ENVIRONMENT

- **Operating Temperature**: -4° F to 122° F (-20° C to 50° C)
- **Storage Temperature:** -40°F to 140° F (-40° C to 60° C)
- **Operable in:** Rain, snow, high winds, IP 54 rated
- **In Compliance With:** CE directive 2014/30/EU and 2014/35/EU

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*

SYSTEM CONPONENTS

- MINI Z scanner with X-ray and auxiliary buttons on handles
- Shoulder strap
- Integrated display
- Integrated camera and flashlight
- Integrated positioning lasers
- Four replaceable batteries
- Two battery chargers (with international power cords)
- USB-C to Ethernet cable
- Warm-up dock
- Transport case
- Quick-start guide and operator manual

SYSTEM OPTIONS

- **Tactical Backpack**: For greater portability
- **Enhanced Detection Panel**: Provides operators with the ability to acquire transmission images (wired)
- **TxD-Wireless:** Provides operators with the ability to acquire high-resolution transmission images (wireless)
- **Language Kits:** Arabic, Chinese, Croatian, English (standard), French, Italian, Polish, Russian, Spanish; other languages planned or available upon request
- **Shore Power Connection:** Provides continuous operation and in-place charging
- **Secondary Operator Interface:** Using customer-supplied Windows 10 tablet and FlexInspect software
- **4G/LTE Connectivity with GPS:** Allows customers to connect to an AWS customer account using a 4G/LTE subscription to backup or restore data to a central repository. (Customer is responsible for cellular SIM card, 4G/LTE subscription, and AWS account.)