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
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 MINI Z scanner
• System Software: Microsoft® Windows® 1O 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

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

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