

# IMPROVING SECURITY FORCES' VISION

# PX1

## HANDHELD BACKSCATTER X-RAY IMAGER



The first generation of true inspection technology



### See through:

More power equals better image performance. With 140 keV and our patented optics, seeing through more material with greater depth is now possible.



### Reduce Uncertainty:

We know the risks involved. That is why we have worked to bring the highest surface penetrating handheld system to the market –keeping our security forces safe and one step ahead at all times.



### Optimizing time:

Portability and superior image quality can definitely expedite the inspection process by allowing for quick scans and dispositioning of potential threats without compromising safety and security.



### Accomplish the mission:

Our focus is to develop innovative technologies that empowers those who proudly serve to keep society safe from threats and uncertainties.

## HIGHER ENERGY, DEEPER PENETRATION



YOU HAVE THE MISSION  
WE HAVE THE VISION



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# SPECIFICATIONS PX1

## SYSTEM SPECIFICATIONS

- X-ray Source: 140 keV X-ray

## SCANNER DIMENSIONS & WEIGHT

- Length: 21.1 cm (8.3 in.)
- Width: 28.2 cm (11.1 in.)
- Height: 18.5 cm (7.3 in.)
- Weight: 4.3 kg (9.5 lbs.)

## OPERATING TIME

- Scanner Battery: 6 hours
- Battery Charging Time: 4 hours
- Direct A/C Power Capable

## OPERATING SYSTEM

- System Software: Android 9 with latest security patches
- Multi-Language User Interface capable

## TRANSPORT CASE DIMENSIONS

- Length: 42.9cm
- Width: 32.7cm
- Height: 23.6cm
- Total System Shipping Weight: 9kg

## ENVIRONMENT

- Operating Temperature: -20 °C (-4 °F) to 60 °C (140 °F)
- Storage Temperature: -40 °C (-40 °F) to 70°C (158 °F)
- Operating Conditions: Rain, snow, high winds, and altitudes up to 4,500 m (14,764 ft) nominally

## SYSTEM COMPLIANCE

- Fully CE compliant

## RADIATION SAFETY

- Complies fully with all applicable U.S. federal health and safety regulations
- Meets 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 visual indicators
- Contains no live radiation source

## IMAGE PERFORMANCE:

- Steel Penetration: > 8 mm

## SCANNING SPEED:

- Up to 30 cm per second; 15 cm per second (Nominal Scan Speed for a 1:1 Scan Image to Scan Target Object Ratio)

## SYSTEM COMPONENTS

- PX1 scanner
- Rugged transport case
- Two (2) rechargeable batteries
- Battery charger
- Data transfer cable
- Shoulder strap
- Two (2) wrist straps
- Quick Start Guide

## SYSTEM ADVANTAGES

- Lead detection and imaging capability
- Depth in Detection capability via Videray Infinity Detector and Optics
- Most compact scanner dimensions where it matters
- Remote connectivity to any device (PC, MAC, iOS and Android)
- Large 7" Diagonal 700-nit bright color touch screen display
- Simple Over-The-Air (OTA) Updates
- Line Lasers to better outline the scan area



LEAD FALSE TRAP DETECTION

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