IMPROVING
SECURITY
FORCES' VISION

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.

videray
TECHNOLOGIES

See through...

HIGHER ENERGY, DEEPER PENETRATION
The first generation of true inspection technology

PX1

The first generation of **true** inspection technology
HANDHELD BACKSCATTER
X-RAY IMAGER

With More Power Comes Better Performance

- 140 KeV / 10 watts / 0.07 mA power source
- Deepest surface penetration in the market
- Patented Wide Infinity Detector
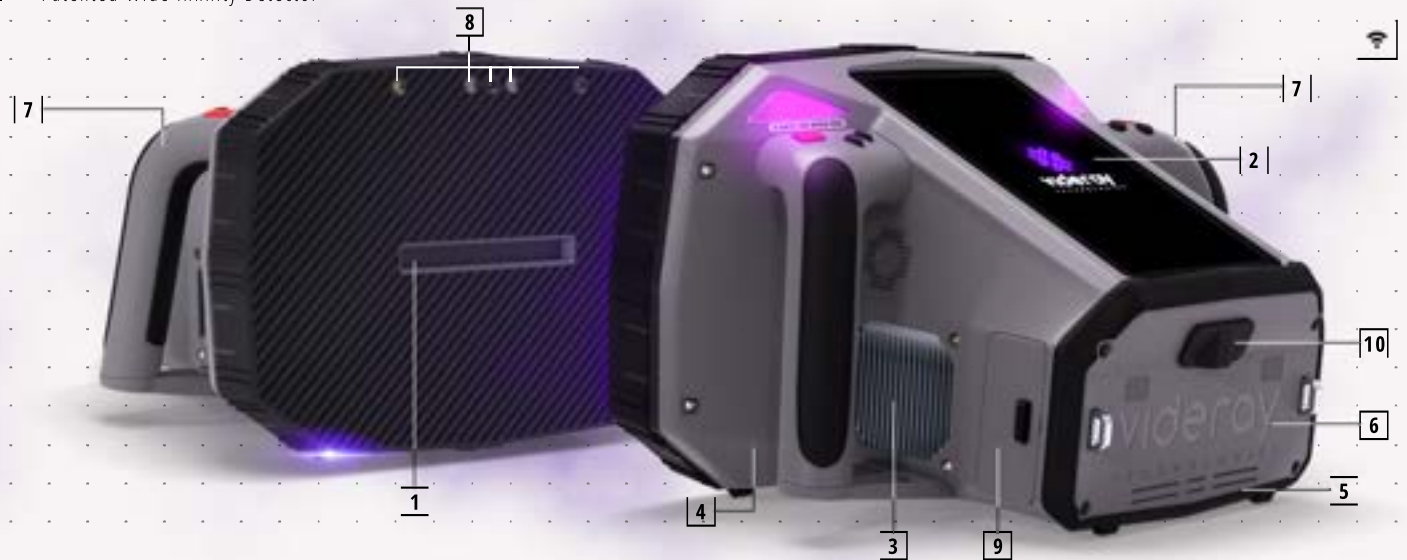
Stay Connected Stay Updated

- Free Over-the-Air (OTA) updates
- Easily share scans wireless to other devices

End-User Oriented

- 7" Super bright, Anti-glare touchscreen
- Intuitive User Interface
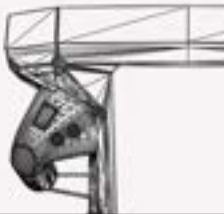- Left and right-handed ergonomic operation

Safe & Durable

- Lowest radiation exposure meeting multiple Radiation standards
- IP54 Dust and Water Rating

Most compact imager to easily maneuver and scan around tight spaces

Length:
21.1 cm (8.3")
Width:
28.2 cm (11.1")
Height:
18.5 cm (7.3")

1 Infinity Detector for improved scan standoff distance and image performance

2 Custom 700-nit bright 7" 1920x1080 HD Display improved for high contrast, outdoor readability and ruggedness

3 Active-Passive Cooling System for the most extreme environments

4 Low / negligible radiation leakage at ≤ 10 µR/h (0.1 µSv/h)

5 Tamper-Evident Encrypted Database for information security

6 64 GB Internal Storage (up to 7,000 scans of images)

7 Left and Right-handed ergonomic operation

8 Camera, dual flashlights & dual vertical line laser for an enhanced inspection process

9 Easy-access compartment for replacing 6 hours battery

10 Micro USB & charger port
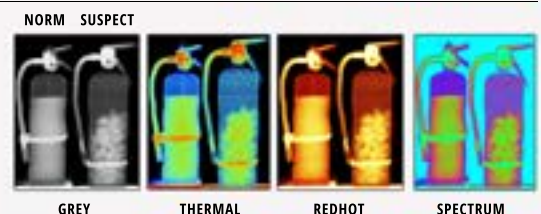
Market leading steel penetration

See through up to **8mm** of steel

Scanning Up to 30 cm per second

15 cm per second is the Nominal Scan Speed for a 1:1 Scan image to Scan Target Object Ratio

Imaging & Analyzing: Superior Imaging Filters

Providing more detail to the Operator regarding Anomalies & Suspect Items detected

NORM   SUSPECT

GREY   THERMAL   REDHOT   SPECTRUM

YOU HAVE THE MISSION
WE HAVE THE VISION

IMPROVING
SECURITY
FORCES' VISION

MTP+

MODULAR TRANSMISION PANEL

MULTI-IMAGING TECHNOLOGY
HANDHELD BACKSCATTER X-RAY IMAGER

Superior precision imaging technology:
See through quickly, up to 25mm of steel

True portability and maneuverability:
Connect wirelessly and seamlessly

Modular design:
Allows you to quickly aligh-n-connect

Compact & Lightweight:
Carbon Fiber pro-design

Thinnest profile:
Fitting more performance into just 15mm of thickness

HIGHER ENERGY,
DEEPER PENETRATION

YOU HAVE THE MISSION
WE HAVE THE VISION

OPERATES IN COMBINATION WITH THE PX1 AND IS SOLD SEPARATELY.

SPECIFICATIONS MTP+
MODULAR TRANSMISSION DETECTOR PANEL

SYSTEM OVERVIEW

Superior Multi-Imaging Technology with capability to 'See through' > 25 mm (1") of Steel and "Best-in-Class" Image Performance

True Portability and Maneuverability. Transmission detector panel connects wirelessly

Modular Design allows for "Quick Align-n-Connect" configurations to accommodate Large Object/Area Screening and those 'difficult-to-image objects or conveyances' in Small Tight Confined Spaces

Compact and Lightweight Panels weighing < 2.8 kg (6.17 lbs.) each

Thinnest Profile with Thickness measurement of ≤ 16 mm (0.6")

Tablet (remote viewing) and Robotic Integration-Capable

WEIGHT
2.8kg (With Battery)

DISPLAY
OLED 128X32

STORAGE
Capacity: 2GB

SPECIFICATIONS

Pixel Pitch: 140µm
Active Area: (355.6*430)/(385*460) | 83.6%
Active Pixels: 2560X3072 (7.8M pixels)
Scintillator: CsI
Resolution: 3.57lp/mm
Image Bit Depth: 16bit PNG
Data Interface: Gigabit Ethernet / Wireless (802.11.ac)
Calibration Mode: ACC(Automatic Calibration Control)/Manual
Data Transfer Time: 3 - 5 sec
Dimension [WXLXH]: 385X460X15mm
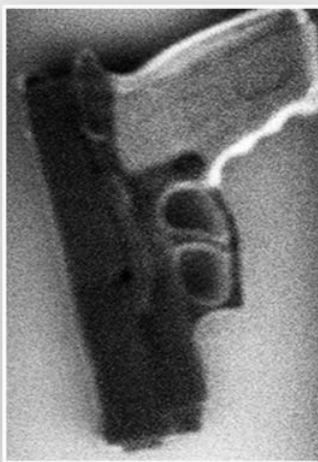**Voltage:** 18V D.C./0.58A

BATTERY

Capacity: 14.8V D.C./4100mAh/58.4Wh
Charging: 16.78V/0.5A
Life Time: 5hours(Approx.)
Type: Li-ion Polymer Battery

BACKSCATTER X-RAY
(PX1 BACKSCATTER)

TRANSMISION X-RAY
(PX1 + MTP+)

IMPROVING SECURITY FORCES' VISION

PX ULTRA

HANDHELD BACKSCATTER X-RAY IMAGER

The first generation of true inspection technology

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HIGHER ENERGY, DEEPER PENETRATION

YOU HAVE THE MISSION
WE HAVE THE VISION

SPECIFICATIONS PX ULTRA

SYSTEM SPECIFICATIONS

- X-ray Source: 160 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 lastest 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

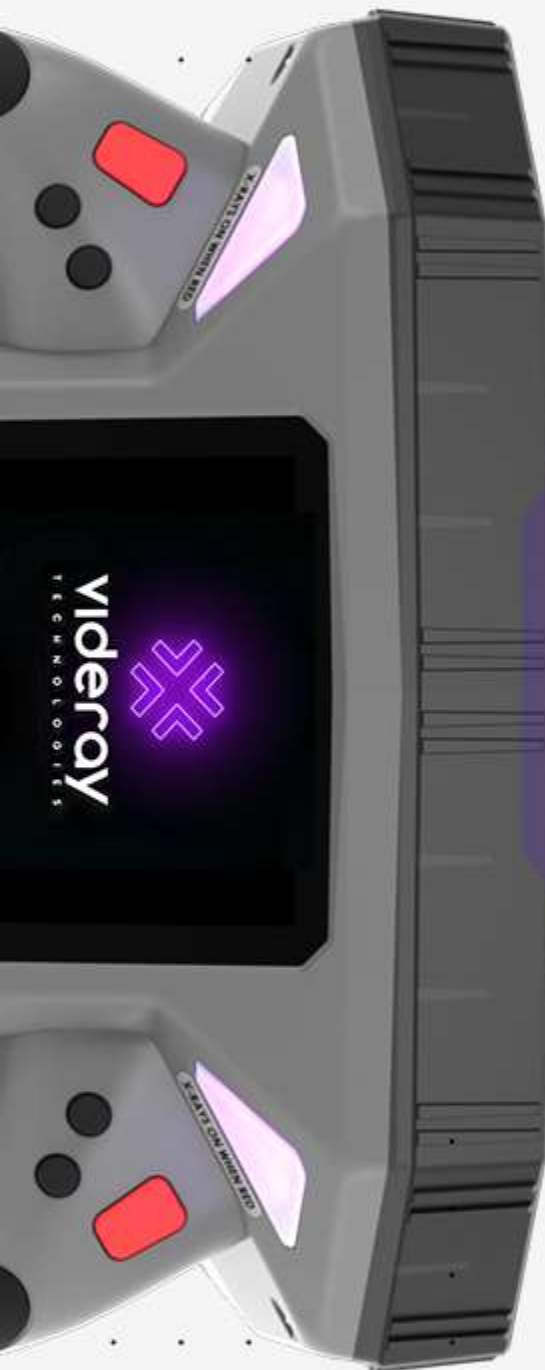- Steel Penetration: > 10 mm

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