



TACTICAL
— SUPPLY PAKISTAN —

**HANDHELD
SOLUTIONS**

KEY ACCESSORIES



RAVEN-DTX

Dual energy capable Tx imaging accessory that enables dynamic scanning of objects of interest and provide colorized material differentiation with best-in-class penetration.



RAVEN-PNL

Ultra high resolution Tx imaging accessory that enables static scanning of critical objects of interest in fine detail for inspection in places where the DTX cannot reach.



RAVEN™



unrivaled handheld x-ray imaging

The RAVEN Multi-Modal Handheld X-ray Imager showcases Viken's advanced achievements and expertise in X-ray imaging. Featuring a unique and patented beamforming technology, RAVEN delivers exceptional image quality in a compact design. Designed to grow with the customer, RAVEN provides a future proof scalable platform that can be upgraded / adapted to meet the evolving challenges posed by bad actors.

POWERFUL, SMART, AND EXPANDABLE



lightweight and portable

Access confined spaces with a rugged and compact form-factor.



optimized for visibility

Delivers essential visibility in all environments including direct sun with a large-format HD resolution anti-glare screen that provides up to 2500nits brightness.



effortless

Ensure continuous and reliable interaction with or without gloves via touch screen and/or physical interface buttons along with dual hot-swappable batteries to eliminate downtime.



intelligent

Leverage AI/machine learning algorithms to target and identify potential threats and visualize key regions of interest.



intuitive and fast

Scan more, clear faster with hardware and software optimized via automatic algorithmic enhancements to provide industry-leading imaging even to novice users.



multi-modal functionality

Employ onboard backscatter (Bx) detection, optional XRF based detector, and optional transmission (Tx) imaging accessories for dynamic and static imaging and identification of both metallic and organic threats.



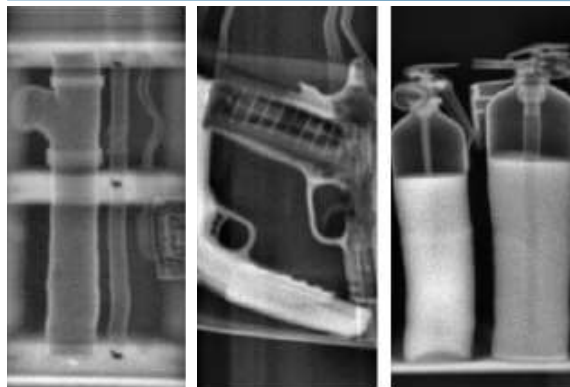
user safety

Enjoy peace of mind knowing RAVEN prioritizes protective X-ray shielding and purposeful positioning of touch points making it both the highest power and lowest leakage system in the market ensuring safe and worry-free use.



Don't just see — **KNOW.**

BACKSCATTER



DTX (optional accessory + matID)



PANEL (optional accessory)



the edge your mission needs

RAVEN's sleek design seamlessly incorporates high-end features that are essential for any mission. With a large format high resolution HD screen, advanced image analysis tools, hot-swap batteries, and full navigation buttons, RAVEN empowers investigators to perform with speed and accuracy. Utilizing state-of-the-art backscatter and transmission optics, whether with a moving DTX bar or a fixed Tx panel, RAVEN scans objects to produce images of unparalleled clarity at increased depths.

For those seeking even more capabilities, RAVEN can be enhanced with a range of popular upgrade options, making it the superior tool for threat detection.

product specifications

detection technology	Wide Area Bx Detector XRF CdTe Sensor <i>(upgrade)</i>
x-ray source	160kV @ 10W [63μA]
field of view	80+ degree fan beam for widest available FOV
display	7 in 1200x1920 FHD+ 2500 nits Anti-glare
weight	11.9 lbs (5.4 kg) ¹
dimensions (WxHxL)	10.9in (27.8cm) x 8.9in (22.7cm) x 6.4in (16.2cm)
cameras	13 MP color
connectivity	Wi-Fi 802.11 802.15.1 GPS USB-C Ethernet <i>(w/ adapter)</i> 4G LTE Cellular ² <i>(upgrade)</i>
penetration³	12mm @ 160kV via <i>American National Standards Institute (ANSI) Protocol: Moving Penetration Test with Full-Steel Coverage Using Diamond-Shaped Target Visualization</i> 20mm @ 160kV (contingent upon extent of steel coverage) via Stationary Block-Testing Methods Using Non-Standardized Protocols
resolution	Spatial resolution 1.0 mm (0.5 lp/mm) resolves 0.5 mm wire
operating conditions	-4°F (-20°C) to 140°F (60°C) ROHS CE IP54 rated

Factory upgrades and customizations are available to *enhance* your RAVEN for key missions, sensitive environments, and unique local jurisdiction requirements.

- + pbID - Viken's proven XRF based auto lead identification tool alert to concealed traps
- + matID - Automatic material discrimination/colorization for Bx and Tx imaging
- + aID - Viken's suite of AI-powered detection tools (gunID, segmentation, and more)
- + radID - Automatic detection and ID of concerning radioactive materials
- + pmID - Detection and identification of precious metals (gold & platinum)
- + colorways - Customize your RAVEN for your team with colored ceramic hard-coat
- + *more...*

1: Weight for base system without options

2: Requires customer dataplan

3: See AN-000005 for more information on penetration protocols