

HARRIER™



comprehensive and fast vehicle inspection

The Harrier 4VX features advanced imaging to effectively detect narcotics, contraband, and threats with high throughput. It offers four-sided, low-energy backscatter and transmission vehicle scanning. The 4VX employs Viken's proprietary technology to deliver superior vehicle images that enable material discrimination while ensuring minimal radiation exposure.

THOROUGH, RELIABLE AND ACCURATE



x-ray generators

225 KeV X-ray tubes, no live source



detector

Multiple detector modules to cover the full vehicle



scan activation

Automated scan activation integrated with traffic management and safety systems



modalities of detection

Backscatter X-ray displays organic contraband and threats concealed within the scan targets - the dual-energy transmission reveals metallic threats and deeply hidden contraband (forward scatter can be implemented instead of transmission)



system power

208/230 VAC, 3-phase, 60/50 Hz, 53 kVA, 210 amp - configuration for facility power interface defined during site review and program requirements



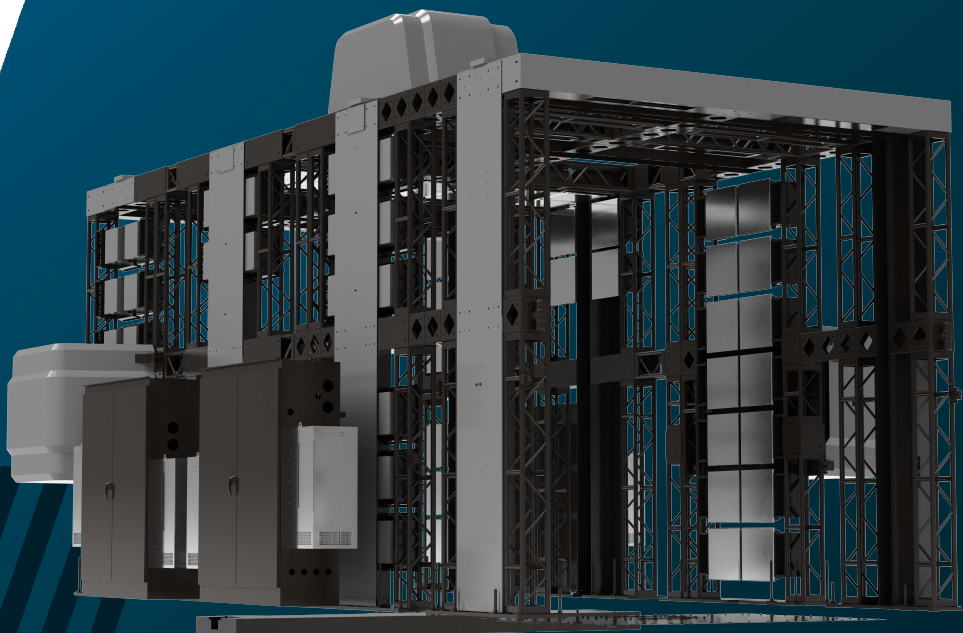
quick imaging

Analyst receives images within seconds after the vehicles exit the scan zone, enabling a higher throughput of vehicles compared to manual searches



scan targets

Market-leading imaging field of view supports a wide range of scan targets, including passenger vehicles, commercial cabins and cargo, as well as palletized goods



Commercial Specs:

structure footprint

- / Width: 24.5' (7.48m)
- / Length: 25.15' (7.67m)
- / Height: 20.8' (6.35m)

scan tunnel

- / Width: 14' (4.26m)
- / Height: 15.22' (4.64m)

Passenger Specs:

structure footprint

- / Width: 20.27' (6.18m)
- / Length: 25.8' (7.87m)
- / Height: 15.35' (4.67m)

scan tunnel

- / Width: 10' (3.05m)
- / Height: 10.5' (3.2m)

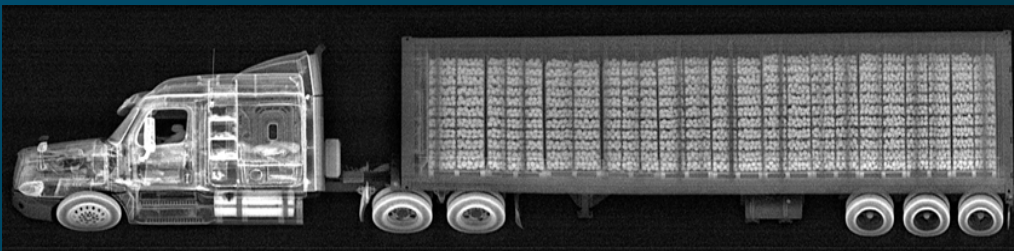
the edge your mission needs.

Detects and sees what others do not.

The Harrier 4VX offers versatile solutions designed to suit your specific mission and needs. Whether it's for securing borders, protecting bases, or safeguarding critical infrastructure, the adaptability of the Harrier offers optimal functionality to meet your demands efficiently and safely, delivering exceptional results for your operations.

- / Customs and Border Security
- / Critical Infrastructure
- / Military and Defense
- / Embassy and Government Facility Protection
- / Seaports
- / Event Security
- / Airports
- / Prisons

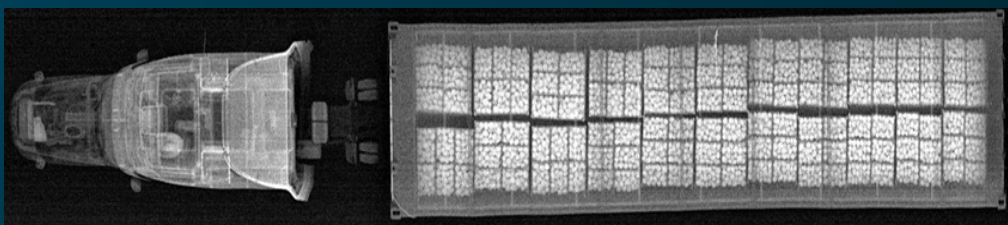
Side view (right):



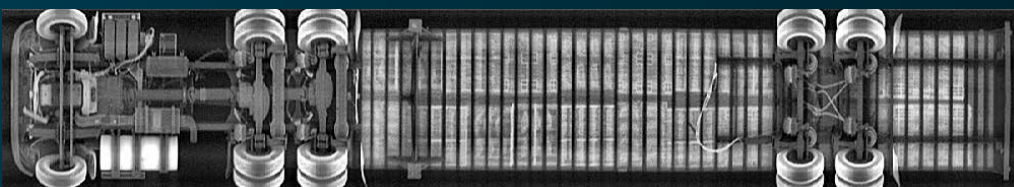
Side view (left):



Top view:



Under view:



analyst tools

Image analysis tools include adaptive contrast, manual contrast adjustment, zoom, reverse image, color palette, image slider, and emboss



environmental usage

IP54 rating, lightning protection, operational temperature: -10C to 50C, relative humidity: up to 98% non- condensing



user safety

Provides a safer method for collecting information on vehicles, enabling users to avoid danger from drugs, weapons, and other threats

compliance and standards

ANSI N42.17-2009 radiation safety for personnel safety systems using X-rays or gamma radiation

ANSI N42.46-2008 safety guidelines for measuring and quantifying image quality

ANSI N43.3-2008 for general radiation safety installations using non-medical X-ray, sealed gamma-ray sources, and engines up to 10MeV