SECURITY DETECTION

peo DETECTION

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EXPLOSIVE TRACE DETECTORS

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Partner Vehant Technologies

Vehant Technologies is a leading provider of advanced physical security and surveillance solutions, specializing in Explosive Trace Detectors (ETDs), Under Vehicle Scanning Systems (UVSS), and X-ray inspection technologies. Their systems are engineered to support critical infrastructure protection, transportation security, and high-risk facility monitoring.

Product offering

NanoSniffer™ – Explosives Trace Detector

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NanoSniffer™ – Explosives Trace Detector

NanoSniffer is a Microsensor based highly sensitive and selective explosive detector in a portable desktop configuration. It can be used to accurately detect a wide range of military, commercial and homemade explosives threats.

It is an advanced and low-cost explosive detector device that efficiently exploits the physical nature of the explosives during detection. It can be easily used for screening passengers & visitors at airports, train stations, and at access control points of critical infrastructure. It is a first of its kind explosives trace detection system based on nanotechnology.

Nanosniffer Explosive Trace Detectors (ETDs) can detect bombs, drugs, narcotics, and dangerous explosive chemicals such as Nitroglycerin, Ammonium Nitrate, and RDX quickly. Vehant's ETDs can differentiate between military, standard, and homemade explosives and categorize them based on their characteristics using various sampling methods. This system aims to identify and prevent individuals who have come into contact with harmful or potentially illegal substances from accessing restricted areas.

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Partner CEIA

CEIA is a global leader in security screening technologies, specializing in Explosive Trace Detectors (ETDs), Handheld Metal Detectors, and Walk-Through Metal Detectors (WTMDs). Their solutions are engineered to deliver high-performance threat detection across a wide range of security environments.

Product offering

EMA series Liquid Explosive Detector

EMA series Liquid Explosive Detector

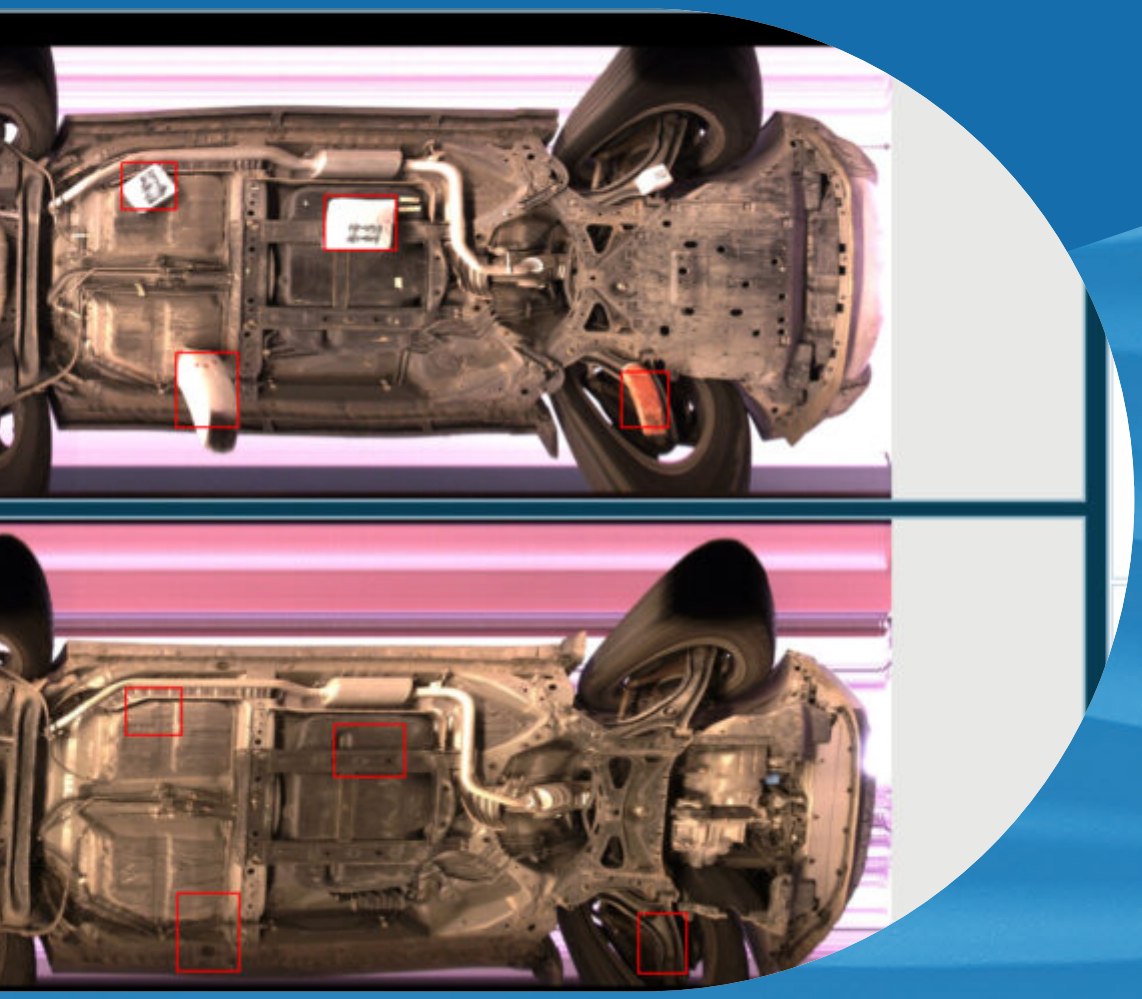
The EMA is a compact device designed for the analysis of liquid containers and their contents with the goal of detecting the possible presence of explosive precursors and explosive liquids.

The content of the bottles is analyzed without the need to open the container as the detection is effected using simultaneous multiple sensing technologies.

The housing of the analyser, which is extremely robust, durable and easy to clean, is made of AISI 304 Stainless Steel and anti-friction plastic.

The Analyser consists of a main body, a control panel and an analysis compartment. In case of open containers such as cups and thermos flasks, it is possible to carry out the analysis by means of the type A integrated analyser (optional), using small disposable plastic sample cups to be inserted into an external probe.

UVSS



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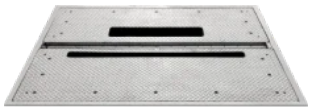
Partner Vehant Technologies

Vehant Technologies is a leading provider of advanced physical security and surveillance solutions, specializing in Explosive Trace Detectors (ETDs), Under Vehicle Scanning Systems (UVSS), and X-ray inspection technologies. Their systems are engineered to support critical infrastructure protection, transportation security, and high-risk facility monitoring.

Product offering

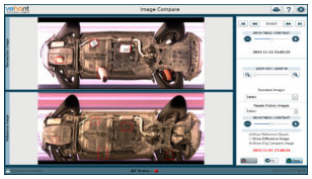
NuvoScan H



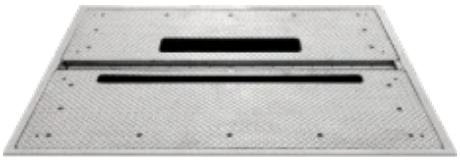
NuvoScan E

Nuvo Scan®3D

DepScan Stereoscopic UVSS (Under Vehicle Scanning)



NuvoScan H



NuvoScan (H) is the advanced automated COLOR Under Vehicle Scanning System (UVSS). NuvoScan is based on the latest and highly advanced area scan imaging technology. It uses the combination of high-end electro-mechanical assemblies, cameras, illuminators, and sensors besides NuvoScan's area-by-area image composing software. The visual information captured is synthesized by the system and subsequently produces a high-quality composite underside image of the vehicle to facilitate efficient viewing and detection of any potentially harmful object that may be attached to the underbelly of the vehicle. NuvoScan (H) gives a seamless composite image without distortion, even if vehicle halts completely on top of the UVSS.

Product Features

- High-resolution composite COLOR image
- Air cleaner mechanism for all-weather operation
- Vehicle entry database & reporting features
- Security password protection
- Easy to install
- CE, ISO certified system
- LED array for better illumination
- All weather-proof IP-67 certified underground enclosures

NuvoScan E

NuvoScan® generates a high-resolution SingleView image using advanced electromechanical components, cameras, illuminators, and sensors. Additionally, NuvoScan™ Area incorporates AreaScan mosaicing software to effectively tackle speed and movement challenges faced by LineScan systems. This innovation guarantees the practicality and reliability of NuvoScan®. Remarkably, NuvoScan® produces a seamless composite image without any distortion, even when a vehicle stops completely on the UVSS platform.

Product Advantages

- High resolution composite COLOR image
- All weather proof IP-67/68 certified underground enclosures
- Air cleaner mechanism for all weather operation
- Vehicle entry database & reporting features
- Security password protection
- CE,ISO certified system

Nuvo Scan®3D

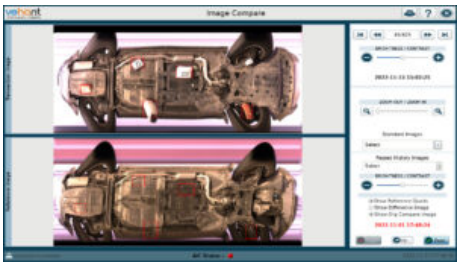
NuvoScan® 3D is an advanced automated 3D viewing Under Vehicle Scanning System, based on the latest dual camera AreaScan imaging technology. It comes packed with some unique algorithms which enhance the user experience manifolds by exploring the 3D aspect of the vehicle's underbelly. In addition to the 3D visualization, one area where the new technology stands out is in bringing forth otherwise hidden or partially occluded objects by showing a dual view of the vehicle, which may not have been the case in the older generation SingleView systems.

Product Features

- Dual imaging feature from (3D) left and right view in order to identify any possible threat
- High resolution COLOR left and right composite images of the vehicle's underside
- Novel view generation feature to see real life 3D visualization of the underside
- Hard-to-view/occluded areas can be scanned easily through 3D UVSS system
- Stop and Go image formation doesn't affect the image quality
- Dual LED array for better illumination
- Zoom facility upto 25X of the composite image to facilitate a closer view of niche areas
- Able to compare both (left and right) views with the help of license plate/type database

DepScan Stereoscopic UVSS (Under Vehicle Scanning)

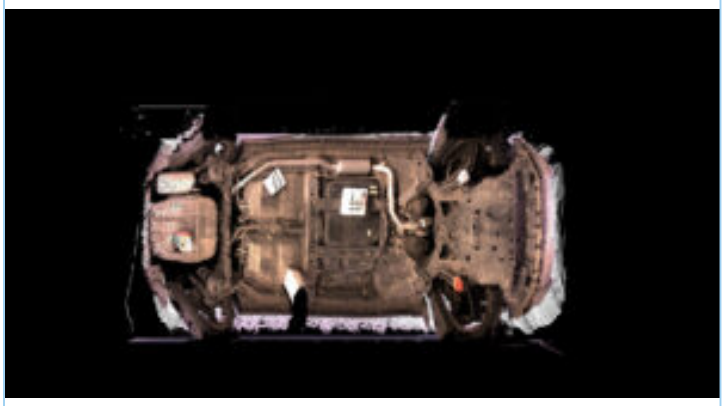
Vehant's DepScan UVSS is the Next-Gen game changing technology for the evergrowing realm of security tech with better efficiency level. Using advanced stereoscopic vision technology, DepScan does depth based comparison using multiple cameras, which are placed side by side to obtain multiple different views of the underbelly of any vehicle. The system generates a point cloud based 3D model which helps to get the relative depth information in the form of a disparity map.

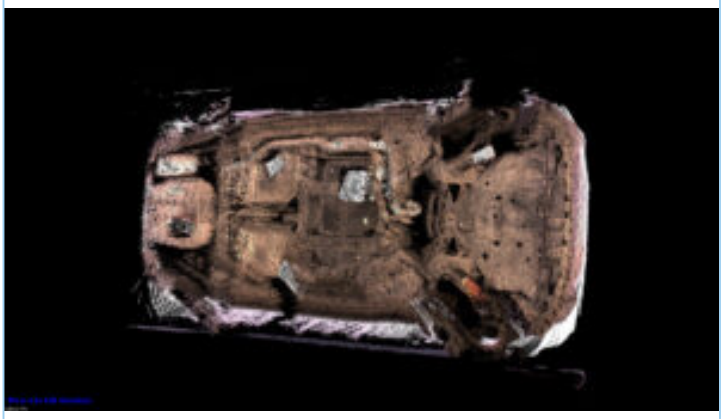


Salient Features

- Advanced stereovision technology
- Generates point cloud based 3D Model
- Gives relative depth information
- High resolution composite COLOR image
- Improves operators efficiency time
- Entry database & reporting features
- Secured password protection

This technology is highly similar to human binocular vision. In the traditional UVSS, the underbelly scanning included inspection of 'x-y' axis, but in this new advanced technology a third dimension 'z' axis is also obtained that helps in differentiating the usual underside with any foreign object by studying the depth of the object. DepScan is equipped with advanced and user friendly GUI.





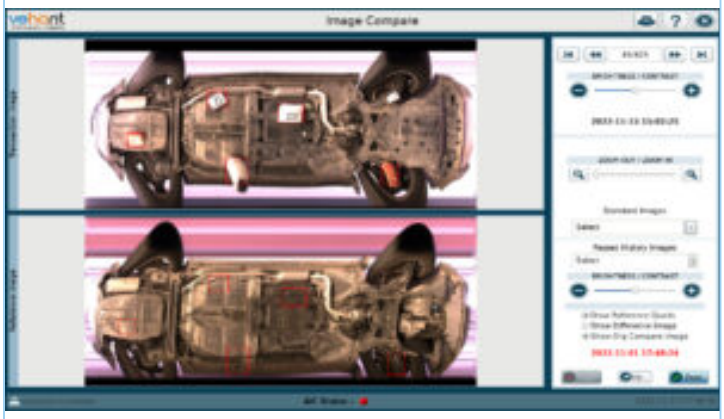
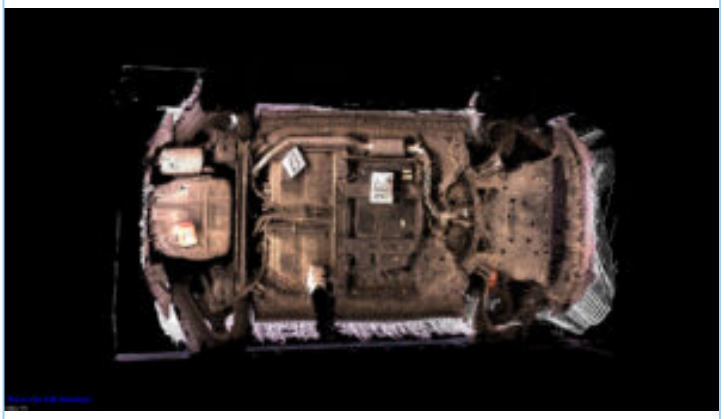


Image Compare




Transaction View
UP16BM3311

DIRECT RADIOGRAPHY SYSTEMS

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Partner 3DX-RAY

3DX-RAY is a leading provider of advanced X-ray imaging and detection technologies, specializing in Direct Radiography systems and Walk-Through Metal Detectors (WTMD) for security and inspection applications. Their solutions are designed to deliver clear, accurate threat detection across a wide range of operational environments.

Product offering

ThreatScan®-AS2

ThreatScan®-LS3

ThreatScan®-LS1

ThreatScan®-LSC

ThreatScan®-AS1(ISC)

ThreatScan®-AS2

The 3DX-RAY ThreatScan®-AS2 is a lightweight portable amorphous silicon x-ray scanning system. It offers high flexibility in deployment to meet the wide variety of user applications and threat scenarios.

Quick and simple to deploy and use, the system produces extremely high quality, sub-millimeter resolution images in real time for rapid and accurate decision making.

The ThreatScan® range is suitable for use in suspect bag and package inspection in locations such as mass transit rail and bus stations, shopping malls, airports, stadia and sports arenas. The system is also used for general security inspection by first responders such as Police, Military and Government Security agencies and Technical surveillance counter measures.

ThreatScan®-LS3

PRODUCT DESCRIPTION

A small but mighty x-ray scanning device, ThreatScan®-LS3, can pierce steel up to 40 mm at 120 kV and up to 60 mm at 150 kV. It is possible to scan standard bags and packages in a single scan thanks to the 305 × 256 mm imaging area. The entire setup tucks neatly into a backpack.

ThreatScan® systems, which are built for quick deployment and simplicity of use, work with the user-friendly and intuitive ThreatSpect software to generate high-quality, sub-millimeter-resolution images.

The ThreatScan®-LS3 is made to enable the operator to obtain precise, excellent photos in a timely and effective manner.

FEATURES

- Compact, resilient detector panel
- High penetration with sub-millimeter resolution (120 kV or 150 kV generator)
- Real-time images
- Designed for rapid deployment and ease of use
- Powerful image enhancement and analysis tools
- Intuitive, user-friendly ThreatSpect software
- Scans virtually to the floor (3mm above floor level)


I-Gen

ThreatScan®-LS1

PRODUCT DESCRIPTION

Even though 3DX-RAY's ThreatScan®-LS1 is battery-operated, extremely small, portable, and light, it is a potent large-format x-ray scanning system. The ThreatScan®-LS1's huge 600mm x 460mm image area makes it possible to scan common bags and parcels in a single scan. With 120 kV and 150 kV, respectively, this robust device can pierce up to 40 mm of steel and 60 mm of steel, yielding excellent sub-millimeter resolution images.

At places like airports, retail centers, stadiums, sports arenas, and mass transit rail and bus terminals, ThreatScan®-LS1 is employed for suspicious bag and package inspection. First responders, including the police, military, and commercial and public security agencies, also use the system for general security checks.

FEATURES

- 120kV or 150kV generator
- High penetration with sub-millimeter resolution
- Large area, resilient detector panel
- Real-time images
- Designed for rapid deployment and ease of use
- Powerful image enhancement and analysis tools
- Intuitive, user-friendly ThreatSpect software
- Scans virtually to the floor (3mm above floor level)


ThreatScan


ThreatScan


ThreatScan

ThreatScan®-LSC

PRODUCT DESCRIPTION

Two (2) panels are included in the portable x-ray inspection system 3DX-RAY Threat Scan®-LSC: the large format LS1 panel and the small LS3 panel.

Despite having a huge image area of 600 x 460 mm, the LS1 panel is astonishingly small and light, allowing it to scan standard bags and parcels in a single scan.

With its 305 x 256 mm imaging surface, the LS3 panel is more portable and can be used, for instance, beneath vans or in locations with restricted access to suspicious shipments.

With its strong combination system, steel may be penetrated up to 40 mm at 120 kV and up to 60 mm at 150 kV. It also generates sub-millimeter-resolution photographs of excellent quality.

A small cable set and a backpack are included with the ThreatScan®-LSC system as standard equipment.

In places like stadiums, sports arenas, shopping centers, airports, and mass transit rail and bus terminals, the ThreatScan® range can be used for suspicious bag and package scanning. First responders, including the police, military, and commercial and public security agencies, also use the system for general security checks.

FEATURES

- Two detector panels are standard.
- Backpack and cable set included
- High penetration with sub-millimeter resolution (120 kV or 150 kV generator)
- Real-time images
- Designed for rapid deployment and ease of use
- Powerful image enhancement and analysis tools
- Intuitive, user-friendly ThreatSpect software
- Scans virtually to the floor (3mm above floor level)


I-Gen


3DX-RAY
ThreatScan


I-Gen


ThreatScan

ThreatScan®-AS1(ISC)

Product Description

A reliable portable x-ray inspection device made of amorphous silicon is the 3DX-RAY ThreatScan®-AS1 (ISC). Included in the package are a 43 x 35 cm imaging area detector panel, a new high-penetration 150 kV generator, a laptop with 3DX-RAY ThreatSpect software, a wireless connection, batteries, chargers, and a transport case. The AS1 (ISC) is easy to operate and provides real-time, sub-millimeter resolution photographs of exceptionally high quality.

The main display, computer, communications, and power sources are all combined into one tough, waterproof housing, making the system fully integrated. When it comes to meeting the diverse range of user applications and threat scenarios, a secondary display tablet provides a high degree of deployment flexibility.

ThreatScan®-AS1 (ISC) utilizes a combination of technologies that provide outstanding X-ray imaging capabilities, powerful image processing software, and 3DX-RAY's famous enhanced material discrimination.

In addition to serving the needs of the EOD community, the ThreatScan®-AS1 (ISC) is perfect for inspecting suspicious luggage and parcels at airports, shopping centers, stadiums, and sports arenas. First responders, including the police, military, and commercial and public security agencies, can utilize the system's maximal imaging potential in an integrated, easily deployable system.

Features

- Amorphous silicon panel
- Fully integrated system
- 150kV generator
- Real-time images
- High penetration with sub-millimeter resolution
- Designed for rapid deployment and ease of use
- Intuitive, user-friendly ThreatSpect software


3DX-RAY
ThreatScan


3DX-RAY
3DX-RAY


i-Gen

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Partner Logos Imaging

Logos Imaging is a U.S.-based manufacturer specializing in portable digital radiography (DR) systems tailored for security applications. Their solutions are designed to provide rapid, high-resolution imaging in field environments, supporting critical operations such as threat detection and inspection.

Product offering

SOSTÓS II Flat Panel System 10″x10″

STENÓS Flat Panel System 14”x17”

XIRÓS II Flat Panel System 12”x12”

SOSTÓS II Flat Panel System 10″x10″

Logos Imaging’s SOSTÓS II system, with the glass-free SOSTÓS II flat imager, is our newest ultra-portable DR imaging system. The SOSTÓS II panel, with near ground-level imaging and 16-bit image clarity, makes it ideally suited for operations where space is limited. At just 2.8 lb and 0.6” thin, this is the smallest and lightest imager offered by Logos Imaging. The versatile SOSTÓS II fits into a custom backpack for easy deployment by a single operator.

Technology	Amorphous Silicon with TFT
Pixel Area	10.1″ x 10.1″ (258 x 258 mm)
Pixel Resolution	1536 x 1536 pixels
Pixel Size	168 µm
Scintillator	Gadox
AD Conversion	16 bits
Dimensions (Panel Only)	11.14″ x 11.14″ x 0.6″ (283 x 283 x 15 mm)
Weight	Without battery – 2.4 lb (1.1 kg) With battery – 2.8 lb (1.3 kg)
Communications Range	Wireless 150 m with standard antenna Wired 25 m with standard cable reel Additional network options available

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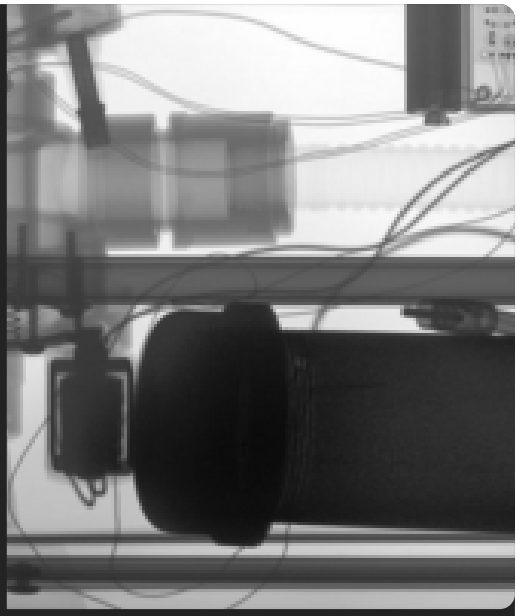
STENÓS Flat Panel System 14”x17”

The STENOS Flat Panel System is our lightest, and most rugged large format DR imaging system. We were the first to introduce a glass-free DR imager to the security market with the 6”x8” PRÓTOS, we followed with the 12”x12” XIRÓS, and now the 14”x17” STENÓS with the 3543N panel further continues Logos Imaging’s commitment to the leading edge of DR imaging design. The panel also offers the advantages of built in wireless communications and a removable battery that provides six hours of operation for situations where ultra-portability and 400 m wireless communications are desirable.

STENÓS Flat Panel System

- detector type: amorphous silicon with TFT
- detector area: 350 x 427 mm
- pixel resolution: 2,560 x 3,072 pixels
- pixel pitch: 140 µm
- scintillator: Gadox
- pixel depth: 16 bits
- dimensions (panel only): (402.5 x 460.0 x 15 mm)
- weight:
  - without battery 3.5 kg
  - with battery 3.9 kg
- communications range:
  - wired: 15 m to 200 m
  - wireless: 400 m or up to 1,600 m with long-range wireless option
    (using 2.4 GHZ)



If you want to read more about STENÓS, take a look at our partner’s website.

XIRÓS II Flat Panel System 12”x12”

Logos Imaging’s XIRÓS is our newest and most rugged small format DR imaging system. The XIRÓS 2929N panel’s glass-free design allows for the smallest borders on the market at just 3 mm. The IP67 rated enclosure assures the XIRÓS durability. Ideally suited for dismounted EOD operations, the XIRÓS full wireless system in a backpack configuration weighs under 9 kg. The versatile XIRÓS with internal wireless communication is essential for users that want to quickly assess an item.

XIRÓS II Flat Panel System features

- detector type: Amorphous silicon with TFT
- detector area: 287 x 287 mm
- pixel resolution: 2,048 x 2,048 pixels
- pixel pitch: 140 µm
- scintillator: Gadox
- pixel depth: 16 bits
- dimensions (panel only): 320 x 320 x 15 mm, 1,9 kg
- communications range: wired: 25 m to 200 m
  wireless: 400 m or up to 1,600 m with long-range wireless option (using 2.4 GHZ)

MOBILE DETECTION SYSTEM

peo DETECTION

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Partner Astrophysics Inc.

Astrophysics Inc. delivers state-of-the-art X-ray inspection systems that play a critical role in safeguarding healthcare environments. Their technology is used in hospitals and medical facilities to screen incoming goods, equipment, and waste for concealed threats, enhancing overall safety and regulatory compliance.

Product offering

XIS-MINIVAN – Astrophysics

XIS-TRAILER – Astrophysics

XIS-TRUCK – Astrophysics

XIS-MINIVAN – Astrophysics

The XIS-Minivan is the newest model in the XIS-Series Mobile Screening product line featuring a tunnel size of 100 cm x 100 cm. With an even smaller vehicle profile than the XIS-Van, the XIS-Minivan is the mobile screening solution suited for areas where space is limited, but the need for security is absolute.

The XIS-Minivan mobile screening vehicle features unmatched standards, including a high-powered 180kV generator, Air Conditioning and Exterior Lighting. The XIS-Minivan requires minimal set-up time and features a more compact vehicle with a large tunnel for diverse object screening at any locale.

General Specifications XIS-MINIVAN

- **Tunnel Size (W x H):** 100 cm x 100 cm
- **Dimensions (L x W x H):** 604 cm x 202.4 cm x 277 cm
- **X-ray Generator:** 180kV, Operating at 165kV

XIS-TRAILER – Astrophysics

The XIS Trailer has a tunnel size of 100 cm x 100 cm and is the ideal solution for flexible screening. It has durable aluminum walls and roofing on a custom steel frame construction. The XIS Trailer is suitable for both indoor and outdoor applications.

Significantly, this mobile screening vehicle is the first in its class in terms of standard equipment. The XIS Trailer is equipped with a powerful 180 kV generator, air conditioning, exterior lighting and uninterrupted power supply.

The XIS Trailer offers a mobile solution for security gaps and has extensive standard facilities and an enlarged tunnel for more diverse screening.

General specifications XIS TRAILER

Tunnel size (W x H): 100 cm x 100 cm
Dimensions (L x W x H): 623.8 cm x 228.6 cm x 352.2 cm
X-ray generator: 180 kV, operating at 165 kV

XIS-TRUCK – Astrophysics

With a tunnel opening of 101.6 cm x 81.4 cm, the XIS-Truck can screen diverse parcels, baggage and cargo for explosives and contraband. The XIS-Truck is designed for outside events, border checkpoints, and various mobile screening needs.

The X-ray system is custom built into a Ford F-450 Super Duty Truck complete with cabin air conditioning, a 6.2L V8 engine and the Ford Personal Safety System.

The XIS-Truck features a high performance vehicle, a state-of-the-art XIS system, extended conveyor belt, and custom retractable awnings and built-in Monitor Stand for fast and convenient screening.

All Astrophysics X-ray Inspection Systems are equipped with Real-Time Diagnostics, a unique Astrophysics feature which allows users to monitor system health. This software was specifically engineered to save you valuable time and money. If requested, Astrophysics would also be able to connect to your system and troubleshoot any issues remotely.

An exclusive Astrophysics option is our 6 Color Imaging, which enables operators to view screened objects in 6 colors, each color correlating to a specific range of Atomic Z-Numbers. 6 Color Imaging enables operators to achieve optimal material identification which improves throughputs.

General Specifications XIS-TRUCK

- **Tunnel Size (W x H):** 100 cm x 100 cm
- **Dimensions (L x W x H):** 724 cm x 243.8 cm x 342.3 cm
- **X-ray Generator:** 180kV, Operating at 165kV

METAL HANDHELD DETECTORS

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Partner CEIA

CEIA is a global leader in security screening technologies, specializing in Explosive Trace Detectors (ETDs), Handheld Metal Detectors, and Walk-Through Metal Detectors (WTMDs). Their solutions are engineered to deliver high-performance threat detection across a wide range of security environments.

Product offering

PD140N

PD140E

PD240

PD240CB

CEIA CMD® Compact Metal Detector

PD140N

CEIA's PD140N is a hand-held metal detector that combines high reliability and ergonomics with advanced detection and operator signalling features. Effective sensitivity to all metals, full compliance with the latest security standards and high immunity to external metal masses are among the main peculiarities of this new device.

Compact hand-held metal detection set

The PD140N features a special ergonomic design consisting of an offset hand grip which ensures that the operator's hand does not interfere with the sensitive detection area. This means fewer scans per person and therefore shorter inspection times per person.

Special care has gone into the mechanical design of the detector. Absence of sharp edges or corners allows the detector to be passed smoothly over the inspected area without getting caught in buttons, buckles, folds or other
parts of clothing.

Areas of application

- Public events
- Stadiums and sport arenas
- Conventions
- Multiple lane screening

Characteristics

- NIJ Standard – 0602.02 compliant
- Compact, elegant, robust and ergonomic
- Detection of magnetic and non-magnetic targets
- Full digital design: calibration-free operations
- Extended continuous operation time
- Advanced configuration capability
- Indoor and outdoor operations

Advantages

• Programmable Sensitivity
• Extended continuous operation Time
• Automatic low power mode during screening pauses
• Embedded long life rechargeable batteries
are renewable energy and eliminate the operation cost of alkaline batteries
• Embedded fast and reliable battery charger: no need of batteries removal
• Dedicated holder acts as minimum space table stand and mains connection for battery charge
• Operator functions can be standard or customized by the user through PC GUI and USB connection

PD140N: fully digital and maximum flexibility

The PD140N is fully digital. Electronic functions include an inspection field transmitter-receiver based on Digital Signal Processing (DSP) technology, a digital operator interface and external communications over the incorporated USB port. This design combined with a special printed antenna ensures top reliability and very high repeatability.

The digital design of the new metal detector also enables the maximum flexibility in selecting the functions available to the user and how detection alarms are signalled. Users can keep the factory settings or connect the detector over its USB to a PC and then personalize the settings with a dedicated graphic interface (HHMD configuration tool required)

PD140E

The PD140E features a special ergonomic design consisting of an offset hand grip which ensures that the operator’s hand does not interfere with the sensitive detection area. This means fewer scans per person and therefore shorter inspection times per person. Special care has gone into the mechanical design of the detector. Absence of sharp edges or corners allows the detector to be passed smoothly over the inspected area without getting caught in buttons, buckles, folds or other parts of clothing.

The technical features of the detector comply with the NIJ standard 0602.02 and the new NIJ draft standard 0602.03. The PD140E has uniform sensitivity to magnetic and non-magnetic targets including those made of stainless steel. At the same time the detector offers excellent body-effect compensation and has high immunity to external disturbance from electromagnetic and mechanical sources.

The PD140E is fully digital. Electronic functions include an inspection field transmitter-receiver based on Digital Signal Processing (DSP) technology. This design, combined with a special printed antenna, ensures consistent performance, very high reliability and calibration-free operations

PD240

The PD240 features a wide detection area for faster and more accurate screening operations. The PD240 combines CEIA's signature high reliability with advanced detection and operator signalling features, including a high immunity to floor rebars for lower body screening without sensitivity reduction. The PD240 offers full compliance with the latest NIJ security standards, indoor and outdoor use, as well as up to 100 hours of continuous operation on a single charge of its long life rechargeable batteries and embedded fast and reliable battery charger.

Advantages & benefits

- Programmable Sensitivity
- Long Detection Range
- Extended Continuous Operation Time
- Automatic Low Power Mode during Screening Pauses
- Embedded Long Life Rechargeable Batteries are renewable energy and eliminate the Operation Cost of Alkaline Batteries
- Embedded Fast and Reliable Battery Charger: no need for removal of batteries
- Dedicated Docking Station acts as Table Stand and Mains connection for Battery Charge
- Operator Functions can be standard or customized by the user through PC GUI and USB connection

PD240CB

The PD240CB is a Hand Held Metal Detector that combines high reliability and ergonomics with advanced detection and operator signalling features. Long detection range for weapons and minimum metal targets, effective sensitivity to all alloys, exceeds the latest Security Standards and has high immunity to external metal masses.

Advantages & Benefits

- Programmable Sensitivity
- Long Detection Range
- Extended Continuous Operation Time
- Automatic Low Power Mode during Screening Pauses
- Embedded Long Life Rechargeable Batteries are renewable energy and eliminate the Operation Cost of Alkaline Batteries
- Embedded Fast and Reliable Battery Charger: no need for removal of batteries
- Dedicated Docking Station acts as Table Stand and Mains connection for Battery Charge
- Operator Functions can be standard or customized by the user through PC GUI and USB connection

CEIA CMD® Compact Metal Detector

The CEIA CMD® is a very high performance, high-sensitivity Compact Metal Detector designed to detect metal and minimum-metal content targets in all types of terrain. Pinpointing of the metal objects is aided by an evolved system of acoustic modulation and an LED bar indicator, which allow the position of the detected mass to be established with a high degree of precision. The detector is manufactured in compliance with the ISO-9001 standard and has been designed to satisfy the most stringent operational requirements in any application field.

The Metal Detector comprises a search head, a control unit, a telescopic pole and an elbow support all jointed together in a one-piece design.
The detection head is light and the wiring is designed to be protected from any possible damage.
The compact, highly-portable design allows immediate operational status and ease of transport.
The CEIA CMD® incorporates a rapid battery charger (3 hours max.) powered by an electrical mains adapter or via the cigar lighter socket found in vehicles.

Intentionally designed to be used easily and comfortably in every working condition, the CEIA CMD® can be set up for operation in less than twenty seconds.
The equipment stands out due to its compact design, light weight, operational performance and reliability.
The telescopic pole length can be adjusted for use when standing, kneeling or in the prone position.

X-RAY INSPECTION

peo DETECTION

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Partner Vehant Technologies

Vehant Technologies is a leading provider of advanced physical security and surveillance solutions, specializing in Explosive Trace Detectors (ETDs), Under Vehicle Scanning Systems (UVSS), and X-ray inspection technologies. Their systems are engineered to support critical infrastructure protection, transportation security, and high-risk facility monitoring.

Product offering

Kritiscan® 150180D

KritiScan® 6040 – Multi-energy X-ray Baggage Scanner

KritiScan® 180180D

KritiScan® 100100 LB

KritiScan® 100100

KritiScan® 7555

Security Detection › X-ray Inspection

Kritiscan® 150180D

The advanced Dual Energy X-Ray Cargo scanner features a tunnel size of 1560 mm (W) by 1860 mm (H) and provides dual horizontal and vertical views of the scanned objects, enhancing the detection of contraband items. This scanner is well-suited for use in airports, warehouses, customs, railways, and ports, offering a non-intrusive method for inspecting cargo. It facilitates the quick identification of potential risks or anomalies, ultimately reducing the time required to clear goods with customs for compliant traders and importers.

Salient Features

- Atomic number based material discrimination
- Self-diagnosis feature
- High density alert feature
- Radiation safe as per International standards
- Horizontal & Vertical view of scanned objects
- Distortion correction through software

Optional Features

- Threat Image Projection (TIP)
- Network Supervisory Workstation
- (NSW) Video management

← Back to partner

KritiScan® 6040 – Multi-energy X-ray Baggage Scanner

KritiScan 6040 is the Multi-energy X-ray baggage scanner designed and developed by Vehant Technologies with Tunnel size – 600 mm (W) X 400 mm (H). It is a compact X-ray baggage scanning system ideal for checkpoints and small baggage scanning at high security premises such as Airports, Government offices, Railways, MRTS and other baggage scanning applications. KritiScan offers numerous optional features such as Threat Image Projection (TIP), Network Supervisory Workstation (NSW) & Video management for effective operation.

Security Detection › X-ray Inspection

KritiScan® 180180D

The advanced Dual Energy X-Ray Cargo scanner features a tunnel size of 1850 mm (W) by 1850 mm (H) and provides dual horizontal and vertical views of the scanned objects, enhancing the detection of contraband items. This scanner is well-suited for use in airports, warehouses, customs, railways, and ports, offering a non-intrusive method for inspecting cargo. It facilitates the quick identification of potential risks or anomalies, ultimately reducing the time required to clear goods with customs for compliant traders and importers.

Salient Features

- Atomic number based material discrimination
- Self-diagnosis feature
- High density alert feature
- Radiation safe as per International standards
- Horizontal & Vertical view of scanned objects
- Distortion correction through software

Optional Features

- Threat Image Projection (TIP)
- Network Supervisory Workstation
- (NSW) Video management

KritiScan® 100100 LB

KritiScan® 100100 LB, is a multi-energy X-ray baggage scanner manufactured by Vehant Technologies with a tunnel size of 1000 (W) mm X 1000 (H) mm. KritiScan® is an ideal X-ray baggage scanning system for checkpoints and small baggage scanning requirements at high-security premises such as Airports, Government offices, Railways, MRTS, and other premises checkpoint applications. KritiScan® X-ray baggage scanner has been certified by AERB India in terms of mechanical, electrical, and radiation hazards. It comes with additional features such as Threat Image Projection, Central superior console, and Video management for effective operation.

Product Features

- Atomic number based material discrimination
- Distortion correction through software
- Dual energy based virtual imaging
- High accuracy of detection
- High penetration feature
- Lockable console table
- Radiation safe as per AERB
- Self-diagnosis
- Sophisticated image capture, display & archival
- Threat Image Projection

Security Detection › X-ray Inspection

KritiScan® 100100

KritiScan® 100100 is a multi-energy X-ray baggage scanner manufactured by Vehant Technologies with a tunnel size of 1000 (W) mm X 1000 (H) mm. KritiScan® is an ideal X-ray baggage scanning system for checkpoints and small baggage scanning requirements at high-security premises such as Airports, Government offices, Railways, MRTS, and other premises checkpoint applications. KritiScan® X-ray baggage scanner has been certified by AERB India in terms of mechanical, electrical, and radiation hazards. It comes with additional features such as Threat Image Projection, Central superior console, and Video management for effective operation.

Product Features

- Atomic number based material discrimination
- Distortion correction through software
- Dual energy based virtual imaging
- High accuracy of detection
- High penetration feature
- Lockable console table
- Radiation safe as per AERB
- Self-diagnosis
- Sophisticated image capture, display & archival
- Threat Image Projection

Security Detection › X-ray Inspection

KritiScan® 7555

KritiScan® 7555 is designed for security checkpoints and locations requiring small baggage scanning, such as Airports, Government offices, Railways, MRTS, and other checkpoint applications. This X-ray baggage scanner is certified by AERB India for mechanical, electrical, and radiation safety. It also includes features like Threat Image Projection, Central superior console, and Video management for efficient operation.

Salient Features

- Atomic number based material discrimination
- Distortion correction through software
- High accuracy with computer vision technology
- High penetration feature
- Lockable console table
- Radiation safe as per AERB
- Self-diagnosis
- Sophisticated image capture, display and archival
- Threat Image Projection

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Partner Astrophysics Inc.

Astrophysics Inc. delivers state-of-the-art X-ray inspection systems that play a critical role in safeguarding healthcare environments. Their technology is used in hospitals and medical facilities to screen incoming goods, equipment, and waste for concealed threats, enhancing overall safety and regulatory compliance.

Product offering

XIS-6040 – Astrophysics

XIS-6040M – Astrophysics

XIS-6040N – Astrophysics

XIS-6040NM – Astrophysics

XIS-5335S – Astrophysics

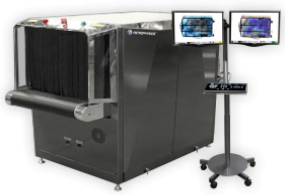
XIS-6040SE (Event Edition) – Astrophysics

XIS-6545 – Astrophysics

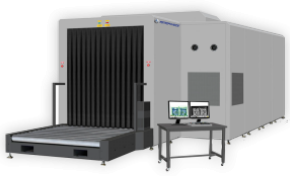
6545VI – Astrophysics

VI7 – Astrophysics

7858VI – Astrophysics

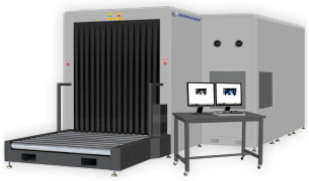


XIS-1517DV 320kV – Astrophysics

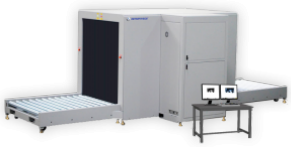


XIS-1517DV 200kV – Astrophysics

XIS-1517 320kV – Astrophysics



XIS-1517 200kV – Astrophysics



XIS-100XDV-MD – Astrophysics

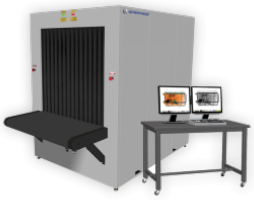
XIS-100XDV – Astrophysics

XIS-100XDX – Astrophysics

XIS-1818DV 320kV – Astrophysics

XIS-100XD – Astrophysics

XIS-100X – Astrophysics



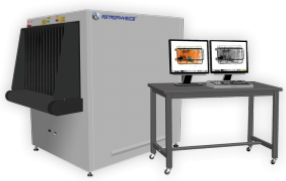
XIS-1818DV 200kV – Astrophysics

XIS-1818 320kV – Astrophysics

XIS-1080D – Astrophysics

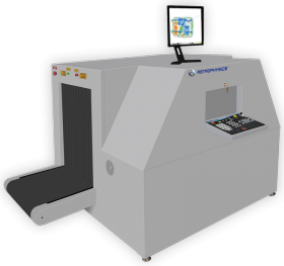
XIS-1080 – Astrophysics

XIS-7858 – Astrophysics

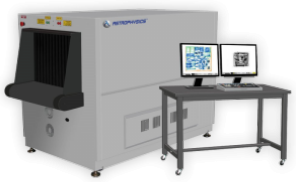


XIS-7555R – Astrophysics

XIS-5878 – Astrophysics



XIS-6545DV – Astrophysics



XIS-6040 VI-3D small parcel scanner(Semi-3D)

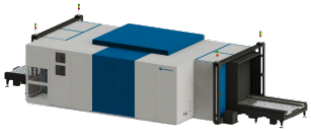
XIS-1819 200kV – Astrophysics

XIS-1818 200kV – Astrophysics

HXC-320 – Astrophysics

HXP – Astrophysics

Multi-View CT System: MVCT Cargo and Pallet Inspection Scanner



XIS-6040 – Astrophysics

The XIS-6040 X-Ray Inspection System features a tunnel opening of 60 x 40 cm. The XIS-6040 offers a compact design with increased dimensions for a wider range of placement and expanded screening capability. The XIS-6040 is ideal for both small parcel and checkpoint screening.

The XIS-6040 has found placement at hotels, prisons, government sites, and transportation hubs. With its small frame, the XIS-6040 maintains high mobility, but with a wider tunnel size for varied application.

With a powerful 160kV generator, the XIS-6040 provides crisp, high resolution images due to its advanced software and superior processing technology.

General Specifications

- **tunnel size (W x H):** 60 cm x 40 cm
- **dimensions (L x W x H):** 142 cm x 84.9 cm x 125.5 cm
- **X-ray generator:** 160kV, Operating at 150kV

Looking for a solution for your security challange?

XIS-6040M – Astrophysics

The XIS-6040M (Mobile) is an X-Ray Inspection System with tunnel dimensions of 60 x 40 cm. The XIS-6040M is specifically designed for easy internal relocation at prisons, ships, banks, courthouses, government facilities and other high security checkpoints where rapid deployment and quick system operation is essential.

The XIS-6040M x ray inspection system features heavy duty pneumatic wheels, stainless steel handle bars and a lockable operator control panel which folds seamlessly into the system when not in use.

The XIS-6040M includes a powerful 160kV generator, and a design that enables fast maneuvering for an immediate screening solution.

General Specifications XIS-6040M

- **tunnel size (W x H):** 60 cm x 40 cm
- **dimensions (L x W x H):** 142 cm x 84.9 cm x 136.7 cm
- **X-ray generator:** 160kV, Operating at 150kV

XIS-6040N – Astrophysics

The XIS-6040N X-Ray Inspection System features a tunnel opening of 60 cm x 40 cm. The XIS-6040N offers a compact design with increased dimensions for a wider range of placement and expanded screening capability. The XIS-6040N is slightly narrower than our XIS-6040 and is ideal for both small parcel and checkpoint screening.

The XIS-6040N has been placed at hotels, prisons, government sites and transportation hubs. With its small frame, the XIS-6040N maintains high mobility, but with a wider tunnel size for varied application.

With a powerful 160kV generator, the XIS-6040N provides crisp, high resolution images due to its advanced software and superior processing technology.

All Astrophysics X-ray Inspection Systems are equipped with Real-Time Diagnostics, a unique Astrophysics feature which allows users to monitor system health. This software was specifically engineered to save you valuable time and money. If requested, Astrophysics would also be able to connect to your system and troubleshoot any issues remotely.

An exclusive Astrophysics option is our 6 Color Imaging, which enables operators to view screened objects in 6 colors, each color correlating to a specific range of Atomic Z-Numbers. 6 Color Imaging enables operators to achieve optimal material identification which improves throughput.

General Specifications XIS-6040N

- **tunnel size (W x H):** 60 cm x 40 cm
- **dimensions (L x W x H):** 141.2 cm x 80.9 cm x 124.5 cm
- **X-ray generator:** 160kV, Operating at 150kV

XIS-6040NM – Astrophysics

The XIS-6040NM (Mobile) X-Ray Inspection System features a tunnel opening of 60 cm x 40 cm. The XIS-6040NM offers a narrow mobile design for easy internal relocation through tighter corridors and spaces. The XIS-6040NM is ideal for both small parcel and checkpoint screening.

The XIS-6040NM has been placed at hotels, prisons, government sites and transportation hubs. With its small frame, the XIS-6040NM maintains high mobility, but with a wider tunnel size for varied application.

With a powerful 160kV generator, the XIS-6040NM provides crisp, high resolution images due to its advanced software and superior processing technology.

All Astrophysics X-ray Inspection Systems are equipped with Real-Time Diagnostics, a unique Astrophysics feature which allows users to monitor system health. This software was specifically engineered to save you valuable time and money. If requested, Astrophysics would also be able to connect to your system and troubleshoot any issues remotely.

An exclusive Astrophysics option is our 6 Color Imaging, which enables operators to view screened objects in 6 colors, each color correlating to a specific range of Atomic Z-Numbers. 6 Color Imaging enables operators to achieve optimal material identification which improves throughput.

General Specifications XIS-6040NM

- **tunnel size (W x H):** 60 cm x 40 cm
- **dimensions (L x W x H):** 141.2 cm x 80.9 cm x 133.7 cm
- **X-ray generator:** 160kV, Operating at 150kV

XIS-5335S – Astrophysics

The XIS-5335S is a small yet powerful X-Ray Inspection System with a tunnel size of 53.3 x 35.4 cm. The XIS-5335S is the ideal system for screening small scale objects with increased penetration, revealing liquid explosives, IEDs, contraband, narcotics and weapons.

The system is equipped with a high energy 160kV generator which provides advanced image quality and unrivaled penetration. Likewise, with such a small footprint, the XIS-5335S can fit through most doorways and elevators for fast relocation and installation.

The XIS-5335S has been placed at government facilities including embassies, courthouses, and schools, as well as corporate mailrooms, banks, hotels and medical centers.

General Specifications

- **tunnel size (W x H):** 53.3 cm x 35.4 cm
- **dimensions (L x W x H):** 132 cm x 76.2 cm x 123 cm
- **X-ray generator:** 160kV, Operating at 150kV

Looking for a solution for your security challange?

XIS-6040SE (Event Edition) – Astrophysics

The XIS-6040SE (Event Edition) is specially designed for immediate use and optimal ease of use. The baggage scanner is ready for use within a few minutes. This makes this X-ray baggage scanner optimal for use in events such as festivals, congresses and other places where direct employability is important.

The X-Ray Inspection System features a tunnel opening of 60.0 cm x 40.0 cm (23.6” x 15.7”). The XIS-6040SE offers a compact design with increased dimensions for a wider range of placement and expanded screening capability. The XIS-6040SE is ideal for both small parcel and checkpoint screening.The datasheet is not available at the moment. Do you want further information? Please contact PEO security and we will provide you the latest details.

Product highlights

- Enhanced Imaging™ (EI) Software
- Compact footprint
- Mobility package for easy relocation
- Spill-resistant conveyor belt
- High-resolution images with 24-bit color
- Enhanced material discrimination
- Windows Operating System with Intel® Core™ Processor
- Real-time diagnostics
- High-contrast image analysis

XIS-6545 – Astrophysics

The XIS-6545 is the ultimate X-Ray Inspection System with a tunnel opening of 65.1 x 45.4 cm. Designed for small to medium sized objects, the XIS-6545 is the first product ever manufactured by Astrophysics and is characterized by its reliability, optimal dimensions and effective threat detection.

The XIS-6545 x ray inspection system boasts a diverse application range from courthouses, prisons, hospitals, and airport checkpoints. With a standard 160kV generator, the XIS-6545 is also available for upgrade to a 180kV generator for enhanced penetration.

Among the most commonly sold XIS units, it is a quality checkpoint system featuring Astrophysics superior XIS software and maximized throughput.

General Specifications XIS-6545

- **tunnel size (W x H):** 65.1 cm x 45.4 cm
- **dimensions (L x W x H):** 216.4 cm x 87.3 cm x 131.6 cm
- **X-ray generator:** 160kV, Operating at 150kV

6545VI – Astrophysics

The 6545VI is undoubtedly the high performance system in its class. The 6545VI has an upgraded frame with stainless steel accents, tunnel extensions, and service friendly paneling, complete with a Mobile Monitor Stand for a sleek new aesthetic.

With advanced VI software, dual 22” Jitter Free Monitors and a 180 kV generator, the 6545VI generates high definition images with unparalleled clarity and penetration. This technology increases screening reliability and optimizes detection accuracy and throughput.

The 6545VI x ray scanner integrates advanced threat detection, user-friendly interface, mobility and inspired design for an overall high quality system.

X-Ray Generator

Voltage: 180kV, operating at 165kV

Computer

- processor: Intel® Core i7 2.93 GHz 8MB cache
- memory: 4 GB RAM at 1333 MHz
- platform: Windows® 7
- backup: uninterrupted power supply (full system pperation- 3 min)

Monitor

Display Type: dual 22” LCD color monitors (Jitter Free)

General Specifications 6545VI

- **tunnel size (W x H):** 65.1 cm x 45.4 cm
- **dimensions (L x W x H):** 217.2 cm x 95.2 cm x 131 cm
- **X-ray generator:** 180kV, operating at 165kV

VI7 – Astrophysics

With a tunnel opening of 62.1 cm x 41.7 cm (W x H) and a single 180kV generator, the VI7 generates a series of 7 high quality images of the screened object, each showcasing a different angle.

The VI7 features a display that rotates through 7 views, each showing the same bag from a distinctive, unique vantage point. It therefore enhances the operator's 3D awareness and overall depth perception. Items that may have been hidden in one view become clearly visible in another.

The VI7 "surround view" technology successfully heightens the operator's image interpretation and object identification while speeding throughput and reducing the need for a secondary search.

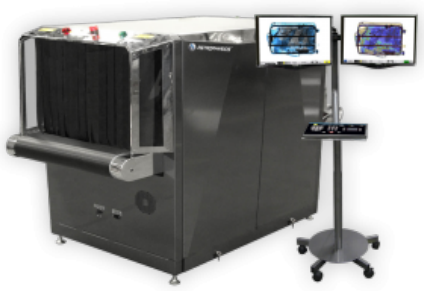
Developed with funding from the DHS Science and Technology Directorate, under technical direction of the Transportation Security Laboratory Human Factors Program.

General Specifications VI7

- **Tunnel Size (W x H):** 62.1 cm x 41.7 cm
- **Dimensions (L x W x H):** 274.0 cm x 120.0 cm x 153.3 cm
- **X-ray Generator:** 180kV, Operating at 165kV

7858VI – Astrophysics

The 7858VI combines the VI Series performance with a larger screening capacity. The 7858VI has a dynamic look with a stainless steel frame panels and a Mobile Monitor Stand, complimented by an impressive suite of software and hardware advancements for unrivaled image manipulation and quality.
With its ideal design, the 7858VI maximizes baggage and small parcel screening with a minimized system profile. Matched with VI Series technology and a standard 180 kV generator, the 7858VI boasts heightened material identification and increased throughput. The 7858VI is your solution to sleek screening of larger objects with fast and accurate threat detection.



X-Ray Generator

- voltage: 180kV, Operating at 165kV

Computer

- processor: Intel Core i7 2.93 GHz 8MB cache
- memory: 4 GB RAM at 1333 MHz
- platform: Windows 7
- backup: uninterrupted power supply (full system operation- 3 min)

Monitor

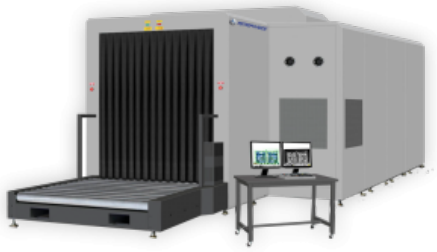
- display type: dual 22” LCD color monitors (jitter free)

General Specifications

- **tunnel size (W x)H:** 77.5 cm x 58.3 cm cm
- **dimensions (L x W x H):** 188 cm x 103 cm x 139.4 cm
- **X-ray generator:** 180kV, operating at 165kV

XIS-1517DV 320kV – Astrophysics

The XIS-1517DV 320kV is an advanced X-Ray Inspection System with a tunnel opening of 152.4 cm x 170.2 cm. The XIS-1517DV 320kV utilizes both dual view technology and high powered generators for improved image screening and increased penetration. The XIS-1517DV 320kV was specifically designed for in-depth screening clarity of customs and military cargo.



The XIS-1517DV 320kV has a low conveyor height of just 35.6 cm and can support 3000 kg of cargo without compromising throughput speed, adding to the efficiency and security of any facility or transport hub. The XIS-1517DV 320kV is a quality XIS unit that offers the most cutting edge technology in cargo security.

All Astrophysics X-ray Inspection Systems are equipped with Real-Time Diagnostics, a unique Astrophysics feature which allows users to monitor system health. This software was specifically engineered to save you valuable time and money. If requested, Astrophysics would also be able to connect to your system and troubleshoot any issues remotely.

An exclusive Astrophysics option is our 6 Color Imaging, which enables operators to view screened objects in 6 colors, each color correlating to a specific range of Atomic Z-Numbers. 6 Color Imaging enables operators to achieve optimal material identification which improves throughputs.

General Specifications XIS-1517DV 320kV

- **Tunnel Size (W x H):** 152.4 cm x 170.6 cm
- **Dimensions (L x W x H):** 1116.4 cm x 281.3 cm x 304.8 cm
- **X-ray Generator:** 320kV

XIS-1517DV 200kV – Astrophysics

The XIS-1517DV 200kV is an advanced X-Ray Inspection System with a tunnel opening of 150 x 170.2 cm. The XIS-1517DV 200kV utilizes both dual view technology and high powered generators for improved image screening and increased penetration.

The XIS-1517DV 200kV advanced x ray inspection system was specifically designed for in-depth screening clarity of customs and military cargo.

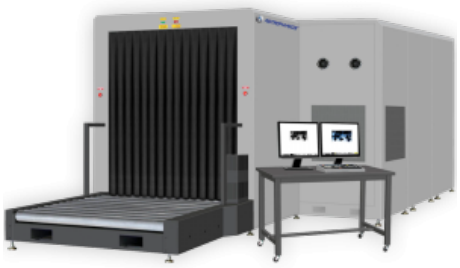
It has a low conveyor height of just 38.3 cm and can support 2000 kg (4410 lbs) of cargo without compromising throughput speed, adding to the efficiency and security of any facility or transport hub. The XIS-1517DV 200kV is a quality XIS unit that offers the most cutting edge technology in cargo security. *Also available with a generator output of 180kV or 320kV.

General Specifications XIS-1517DV 200kV

- **Tunnel Size (W x H):** 150 cm x 170.2 cm
- **Dimensions (L x W x H):** 792.2 cm x 259.1 cm x 286 cm
- **X-ray Generator:** Dual 200kV

XIS-1517 320kV – Astrophysics

The XIS-1517 320kV is a high penetration X-Ray Inspection System with a tunnel opening of 150.9 x 170.6 cm. It utilizes advanced imaging technology and high powered generators for heightened image screening. The XIS-1517 320kV was specifically designed for in-depth screening clarity of customs and military cargo.



The XIS-1517 320kV has a low conveyor height of just 40 cm and can support 2000 kg of cargo without compromising throughput, adding to the efficiency and security of any facility or transport hub.

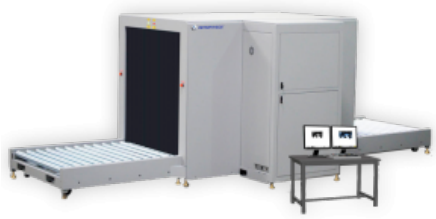
The XIS-1517 320kV high penetration x ray is a quality XIS unit that offers the most cutting edge technology in cargo security.

General Specifications XIS-1517 320kV

- **Tunnel Size (W x H):** 150.9 cm x 170.6 cm
- **Dimensions (L x W x H):** 1095.6 cm x 278.8 cm x 292 cm
- **X-ray Generator:** 320kV

XIS-1517 200kV – Astrophysics

The XIS-1517 200kV is the premier heavy duty X-Ray Inspection System with a tunnel opening of 150 cm x 170.2 cm. The XIS-1517 200kV is especially designed for screening crates, cargo and pallet sized objects at all security sites, including airports and customs locations.



With a low conveyor height of just 38.3 cm above floor level, loading and unloading of heavy freight is simple. With a 200kV generator, the XIS-1517 200kV boasts superior penetration.

This heavy duty x ray system consistently delivers high quality imaging and outstanding performance. The XIS-1517 200kV is your solution to advanced cargoscreening.

*Also available with a generator output of 180kV or 320kV.

General Specifications XIS-1517 200kV

- **Tunnel Size (W x H):** 150 cm x 170.2 cm
- **Dimensions (L x W x H):** 670.3 cm x 259.1 cm x 225 cm
- **X-ray Generator:** 200kV

XIS-100XDV-MD – Astrophysics

Designed for high-threat security, the modular XIS-100XDV MD is a dual view X-Ray Inspection System with a generous tunnel size of 101.0 cm x 101.5 cm. Based on our standard XIS-100XDV, the MD (modular design) version is built in separate modules, each with their own set of casters to allow for easy installation and integration into facilities where space may be an issue.

Boasting two x-ray generators, the XIS-100XDV MD produces two screening perspectives and allows operators to manipulate each independently, thus enhancing the operator's ability to identify potential security threats with increased accuracy and speed. The XIS-100XDV MD is the ultimate solution for large object screening at inspection sites requiring heightened security protection.

General Specifications XIS-100XDV-MD

- Tunnel Size (W x H): 101.0 cm x 101.5 cm
- Dimensions (L x W x H): 380.7 cm x 165.4 cm x 182.2 cm
- X-ray Generator: Dual 180kV, Operating at 165kV

XIS-100XDV – Astrophysics

Designed for high-threat security, the XIS-100XDV is a dual view X-Ray Inspection System with a generous tunnel size of 101.6 x 101.6 cm. The XIS-100XDV is well-suited for airports, military and government sites.

Boasting two x-ray generators, it produces two screening perspectives and allows operators to manipulate each independently. Thus, the XIS-100XDV enhances operator's ability to identify potential security threats with increased accuracy and speed.

Combined with dual view technology and Astrophysics software, the XIS-100XDV dual view x ray is the ultimate solution for large object screening at inspection sites requiring heightened security protection.

General Specifications XIS-100XDV

- **Tunnel Size (W x H):** 101.6 cm x 101.6 cm
- **Dimensions (L x W x H):** 313.4 cm x 173.4 cm x 195.9 cm
- **X-ray Generator:** Dual 180kV, Operating at 165kV

XIS-100XDX – Astrophysics

The XIS-100XDX is the newest Dual View X-Ray Inspection System featuring a tunnel size of 100 x 100 cm (39.4” x 39.4”). The XIS-100XDX dual view x ray combines dual view technology with a low conveyor height of just 30 cm (12”) for optimal heavy object screening.

Dual View technology utilizes two generators, creating two image perspectives. Coupled with 6 Color Imaging, dual view technology enables operators to increase image manipulation and object recognition.

The XIS-100XDX’s low conveyor design and dual view detection enable operators to quickly scan heavy objects without any loss in threat detection accuracy.

General Specifications XIS-100XDX

- **Tunnel Size (W x H):** 100 cm x 100 cm/ 39.4” x 39.4”
- **Dimensions (L x W x H):** 312 cm x 183.2 cm x 188.6 cm/ 123” x 72.1” x 74.2”
- **X-ray Generator:** Dual 180kV, Operating at 165kV

XIS-1818DV 320kV – Astrophysics

The XIS-1818DV 320kV is an advanced X-Ray Inspection System with a tunnel opening of 181 cm x 180.7 cm. The XIS-1818DV 320kV utilizes both dual view technology and high powered generators for improved image screening and increased penetration.

This advanced x ray inspection system was specifically designed for in-depth screening clarity of customs and military cargo. The XIS-1818DV 320kV has a low conveyor height of just 34.4 cm and can support 3000 kg of cargo without compromising throughput speed, adding to the efficiency and security of any facility or transport hub. The XIS-1818DV 320kV is a quality XIS unit that offers the most cutting edge technology in cargo security.

General Specifications XIS-1818DV 320kV

- **Tunnel Size (W x H):** 181 cm x 180.7 cm
- **Dimensions (L x W x H):** 1116.4 cm x 310.5 cm x 314.3 cm
- **X-ray Generator:** Dual 320kV

XIS-100XD – Astrophysics

The XIS-100XD is a redesigned 100X with a tunnel size of 100 x 100 cm. With a repositioned 180kV generator, the XIS-100XD has a low conveyor height of just 30 cm, enabling heavy objects to be easily loaded on and off the conveyor.

Due to its easy loading design, the XIS-100XD heavy parcel inspector has found placement at airports, courthouses, customs facilities and hotels, but is ideal for all heavy parcel inspection.

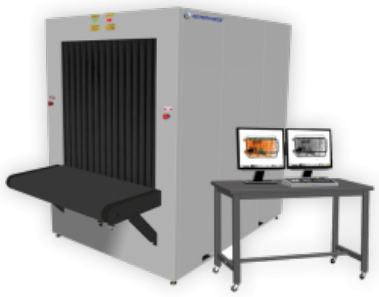
The XIS-100XD is the epitome of technological innovation for its increased convenience and efficiency. It offers optimized technology, large tunnel dimensions and minimum inspection time.

General Specifications XIS-100XD

- **Tunnel Size (W x H):** 100 cm x 100 cm
- **Dimensions (L x W x H):** 236.7 cm x 127.5 cm x 190.9 cm
- **X-ray Generator:** 180kV, Operating at 165kV

XIS-100X – Astrophysics

The XIS-100X is a versatile X-Ray Inspection System with a tunnel size of 101.6 x 101.3 cm. The XIS-100X is designed for screening oversized luggage, large parcels and small cargo.



One of the most desired systems in the XIS Series, it is a flexible, mid-sized system that offers diverse screening capabilities. The XIS-100X x ray inspection system retains high throughput while providing a bigger tunnel size for larger scale object screening. Thus, the system offers improved efficiency for medium sized screening needs.

Ultimately, the XIS-100X is the cost effective screening solution for airports, customs facilities, and high security sites.

General Specifications XIS-100X

- **Tunnel Size (W x H):** 101.6 cm x 101.3 cm
- **Dimensions (L x W x H):** 277.5 cm x 137.2 cm x 191.9 cm
- **X-ray Generator:** 180kV, Operating at 165kV

XIS-1818DV 200kV – Astrophysics

The XIS-1818DV 200kV is a high capacity X-Ray Inspection System with extended tunnel dimensions 180.3 cm x 180.5 cm. The XIS-1818DV 200kV utilizes dual 200kV sources to generate two independent perspectives for large cargo and pallet inspection at airports and seaports.

Featuring a heavy duty roller bed and rugged construction, the XIS-1818 can support 3000 kg. The XIS-1818 200kV high capacity x ray inspection system consistently delivers outstanding performance and retains a high throughput value.

Matched with Astrophysics exclusive software and superior technology, the XIS-1818 200kV is the quality system for your large scale screening needs. *Also available with a generator output of 180kV or 320kV.

General Specifications XIS-1818DV 200kV

- **Tunnel Size (W x H):** 180.3 cm x 180.5 cm
- **Dimensions (L x W x H):** 853.1 cm x 289.6 cm x 316.6 cm
- **X-ray Generator:** Dual 200kV

XIS-1818 320kV – Astrophysics

The XIS-1818 320kV is a high performance X-Ray Inspection System with tunnel dimensions 181 cm x 180.7 cm. The XIS-1818 320kV is primarily designed for military, government and cargo use for advanced high security screening.

With the addition of the high powered 320 kV generator, the XIS-1818 320kV high performance x ray inspection system delivers advanced penetration for improved object recognition with increased clarity and unprecedented image quality.

With a low conveyor height and heavy duty roller bed, the XIS-1818 320kV provides optimized large scale screening with unmatched penetration for precision accuracy.

General Specifications XIS-1818 320kV

- **Tunnel Size (W x H):** 181 cm x 180.7 cm
- **Dimensions (L x W x H):** 995.8 cm x 310.5 cm x 240 cm
- **X-ray Generator:** 320kV

XIS-1080D – Astrophysics

The XIS-1080D is an advanced X-Ray Inspection System that offers tunnel dimensions of 101 x 80 cm. Significantly, with a low conveyor height of just 30 cm, it facilitates fast loading and is well suited for heavy object screening.

With a redesigned XIS-1080 frame, the XIS-1080D embodies efficiency and ease of use for operators. The XIS-1080D boasts reliability and increased throughput rate due to its convenient conveyor height.

Moreover, the XIS-1080D x ray inspection system is the smallest of the XIS Series for medium capacity screening and is ideally suited for locales with high congestion, limited system space and heavy object screening.

General Specifications XIS-1080D

- **Tunnel Size (W x H):** 101 cm x 80 cm
- **Dimensions (L x W x H):** 236.6 cm x 127.5 cm x 171.7 cm
- **X-ray Generator:** 180kV, Operating at 165kV

XIS-1080 – Astrophysics

The XIS-1080 is a mid-size X-Ray Inspection System with a tunnel opening of 101.6 x 81.4 cm. The XIS-1080 is designed for screening standard and oversized baggage, dolly-sized crates and larger scale objects.

The XIS-1080 is the ideal system to screen larger capacity objects while also retaining a limited system size. With a heavy duty conveyor belt, the system can support an unprecedented weight of 200 kg (440 lbs) at any given time, thus allowing for heavier object screening.

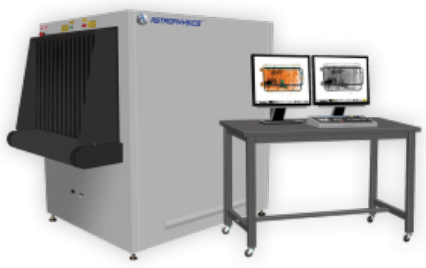
Ultimately, the XIS-1080 x ray inspection system is your secure screening solution for high-congestion sites with limited space, and crucial mid-sized screening needs.

General Specifications XIS-1080

- **Tunnel Size (W x H):** 101.6 cm x 81.4 cm
- **Dimensions (L x W x H):** 257.4 cm x 137.2 cm x 170.6 cm
- **X-ray Generator:** 180kV, Operating at 165kV

XIS-7858 – Astrophysics

The XIS-7858 is a uniquely engineered X-Ray Inspection System with a tunnel size of 78 x 58.3 cm. The XIS-7858 is designed to provide maximum object screening with a minimized system profile. The XIS- 7858 is well-suited for hotels, corporate sites, government offices, mailrooms, and airports.



The XIS-7858 is the largest XIS Series system for small parcel capacity. The XIS-7858 features a standard 180kV generator for heightened penetration and enhanced object recognition.

The XIS-7858 small parcel screening x ray is the ideal screening solution for any location in need of increased screening dimensions within a consolidated space.

General Specifications XIS-7858

- **tunnel size (W x H):** 78 cm x 58.3 cm
- **dimensions (L x W x H):** 188 cm x 103 cm x 139.4 cm
- **X-ray generator:** 180kV, operating at 165kV

XIS-7555R – Astrophysics

The new XIS-7555R is Astrophysics' exclusive ruggedized, self-contained system. Designed and tested specially for outdoor use, there is no other system like it. The frame is completely made of stainless steel, powder coated with a special anti-corrosion formula and bulb-sealed to be water-resistant, making the XIS-7555R deployable anywhere. It is an ideal security screening solution for maritime environments, deserts, and other harsh outdoor conditions.

With a tunnel size of 75.6 cm x 55.2 cm, the XIS-7555R is designed to provide maximum object screening with a minimized system profile. The XIS-7555R features a standard 180kV generator for heightened penetration and enhanced object recognition.

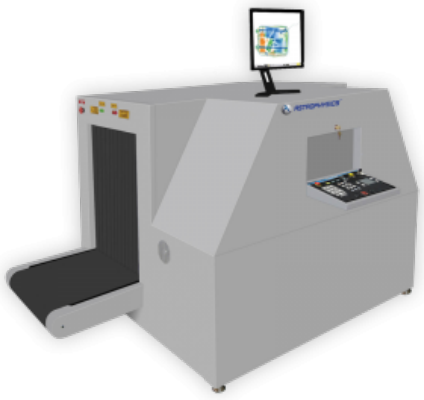
The XIS-7555R is transportable and equipped with shock absorbing pads to endure rough surfaces. It has been tested in our lab for extreme temperatures and situations. From sandstorms to torrential storms, the XIS-7555R is engineered to last and provide screening under the most rigid extremes.

General Specifications XIS-7555R

- **tunnel size (W x H)**: 75.6 cm x 55.2 cm
- **dimensions (L x W x H)**: 189.7 cm x 106.3 cm x 164.3 cm
- **X-ray generator**: 180kV, operating at 165kV

XIS-5878 – Astrophysics

The XIS-5878 X-Ray Inspection System has tunnel dimensions of 58.4 x 78.3 cm. It features a low conveyor height of 30 cm to expedite the loading and unloading of screening objects. The XIS-5878 is well suited for airports, government facilities, and sites with heavy inspection parcels.



The XIS-5878 x ray inspection system has unmatched efficiency in a compact frame. It supports 165 kg (360 lbs) and includes a standard 180kV generator for increased penetration capabilities.

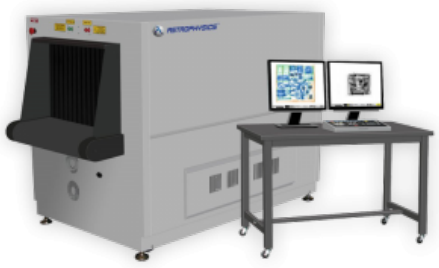
With a convenient conveyor height and high performance technology, the XIS-5878 is ideal for security sites where screening of wheeled or heavy objects is required.

General Specifications XIS-5878

- **tunnel Size (W x H):** 58.4 cm x 78.3 cm
- **dimensions (L x W x H):** 252.4 cm x 137.1 cm x 126 cm
- **X-ray generator:** 180kV, operating at 165kV

XIS-6545DV – Astrophysics

The XIS-6545DV is a dual view X-Ray Inspection System with tunnel dimensions 65 x 45 cm. Designed for high threat security locales, the XIS- 6545DV is ideal for airports, government, facilities, ports, hospitals, and banks.



The XIS-6545DV features dual X-Ray generators to create two different image perspectives which can be manipulated independently. By utilizing dual view
technology, alongside 6 Color Imaging and Atomic Z-Number Measurement, the XIS-6545DV provides unparalleled threat identification.

Ultimately, the XIS-6545DV dual view x ray maximizes throughput and enhances detection in locations where time efficiency and high security screening is crucial.

General Specifications XIS-6545DV

- **tunnel size (W x H):** 65 cm x 45 cm
- **dimensions (L x W x H):** 213 cm x 106.4 cm x 129 cm
- **X-ray generator:** Dual 180kV, Operating at 165kV

Looking for a solution for you security challenge?

XIS-6040 VI-3D small parcel scanner(Semi-3D)

The XIS-6040 VI-3D small parcel scanner features a display that rotates through three views, each from a different vantage point. With a unique 3D View experience, this model enhances operator depth perception and object visibility to eliminate blind spots.

The machine has a tunnel opening of 62,1 cm x 42 cm (23,63″ x 16,54″) and a 180kV generator, so it is a compact and powerful system. It is ideal for screening small to medium size parcels.

This Astrophysics screening system is useful in multiple fields, such as transportation, ports & borders and critical infrastructure.

This machine has stainless steel accents that accentuate the 6040 VI-3D technology. It also boasts a large, high quality image for enhanced threat detection with a 24″ LCD color monitor. Because of the (semi) 3D imaging, it reduces blind spots.

XIS-6040 VI-3D SMALL PARCEL SCANNER FEATURES

- Stainless steel frame accents
- High definition LCD monitor
- Intel iCore 7 processor
- Windows 7 operating system
- Displays images “rocking” three views
- 6-colour imaging
- Baggage counter
- Choice between colour, or black & white imaging
- Heavy duty roller casters
- Reduces blind spots

If you want to read more about Astrophysics screening systems, read this PEO article, or click here!

XIS-1819 200kV – Astrophysics

The XIS-1819 200kV is a high capacity X-Ray Inspection System with extended tunnel of 180.3 cm x 190 cm. The XIS-1819 200kV is designed for large cargo and pallet inspection at airports and seaports, but is ideal for any location where large scale security screening is required.

Featuring a heavy duty roller bed and rugged construction, the XIS-1819 200kV can support 2000 kg. It consistently delivers outstanding performance and retains a high throughput value.

Matched with Astrophysics exclusive software and superior technology, the XIS-1819 200kV advanced x ray inspection machine is the quality system for your large scale screening needs.

General Specifications XIS-1819 200kV

- **Tunnel Size (W x H):** 180.3 cm x 190 cm
- **Dimensions (L x W x H):** 765.4 cm x 332.1 cm x 233 cm
- **X-ray Generator:** 200kV

XIS-1818 200kV – Astrophysics

The XIS-1818 200kV is a high capacity X-Ray Inspection System with extended tunnel dimensions 180.3 cm x 180.5 cm. The XIS-1818 is designed for large cargo and pallet inspection at airports and seaports, but is ideal for any location where large scale security screening is required.

Featuring a heavy duty roller bed and rugged construction, the XIS-1818 200kV can support 2000 kg. The XIS-1818 200kV consistently delivers outstanding performance and retains a high throughput value.

Matched with Astrophysics exclusive software and superior technology, the XIS-1818 200kV is the quality system for your large scale screening needs. *Also available with a generator output of 180kV or 320kV.

General Specifications XIS-1818 200kV

- **Tunnel Size (W x H):** 180.3 cm x 180.5 cm
- **Dimensions (L x W x H):** 670.3 cm x 289.5 cm x 235.2 cm
- **X-ray Generator:** 200kV

HXC-320 – Astrophysics

The Astrophysics HXC-320 Vehicle Scanner is specifically designed to scan cars and motor vehicles with a height of 2.7 meters and a width of 2.6 meters. The HXC-320 scans vehicles to identify hidden contraband, such as smuggled goods, explosives, narcotics and weapons. The HXC-320 has a 320kV X-ray generator that allows the car scanner to operate as a drive-through portal, without the need to unload drivers and passengers. Its' easy process, automated operation and high throughput, reduce the need for manual inspection and locations experiencing high volume traffic will experience lower backlog and delays.

The HXC-320 is an efficient and customizable solution for the protection and inspection of critical infrastructure locations such as government facilities, military checkpoints, sporting events, and land and sea borders. Several installation options are available: in-ground installation eliminating the need for a ramp, and a conveyor system for unmanned vehicles if a pull-through operation is preferred.

HXP – Astrophysics

Goods are imported and exported all over the world every day. In order to protect our ports, airports and border crossings against threats, government entities need to be able to quickly search through trucks and containers without delaying commerce.

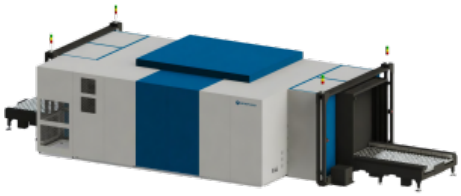
Astrophysics is dedicated to helping agencies such as border patrol, customs, and police, to detect contraband, weapons, explosives, fraudulent trade items, and other security threats. Our HXP is used to inspect trucks, containers and vehicles for these threats as well as the verifications of manifests. With an easy drive-through process, automated operation and high throughput, the need for manual inspection is reduced and high-volume cargo inspection locations will not be set back.

The HXP allows drivers to safely remain in their truck cabin, as the scanning process does not start until after the driver has passed the point where the X-ray has emitted. The automated scanning procedure provides simplicity and speed, allowing staff to focus on other important duties, therefore increasing productivity.

While there are other cargo and vehicle inspection solutions available such as a Gantry or Mobile Scanner, the High Energy X-ray Portal Scanner has the least cost of ownership, easy maintenance, and highest throughput among several other major benefits.

Multi-View CT System: MVCT Cargo and Pallet Inspection Scanner

The Astrophysics Multi-View CT (MVCT) is a unique, breakthrough solution for screening medium-to-high density cargo. By combining two complementary techniques, radiography and tomography, this high-powered system allows freight forwarders, airlines, and government agencies to perform rapid and effective cargo inspections.



The MVCT is a disruptive technology offering a significant advance in cargo inspection and security screening.

Features & Benefits

• 450kV Generator: A potent X-ray source provides high penetration and contrast screening of dense cargo.
• Multiple-View Mode: The MVCT provides 7 X-ray views after each pass through the scan tunnel. Scanning only 1 pass (7 images) can process 60 pallets per hour. Optional multi-pass scanning can provide up to 35 images per pallet, giving a rotational image of 225°.
• Computed Tomography (CT) Mode: To inspect complex, cluttered, and even non-homogeneous cargo, the MVCT can combine data from up to 5 multi-view passes to reconstruct a 3D CT image for review. Operators can rotate the image a full 360° to view the entire pallet, or select and view individual slices in
<1 cm increments on the coronal (front-to-back), axial (top-to-bottom), and sagittal (left-to-right) planes. CT screening can process 20 pallets per hour.
• Unparalleled Image Quality: The clarity of the radiographic and tomographic images allows operators to identify threats in any location within the cargo. Advanced imaging software enables operators to rotate the cargo on-screen (in 3D) and apply additional filters to maximize screening results.
• Compelling Return on Investment: High-quality images lead to fewer false alarms and reduce the need for break-bulk screening. This in turn reduces labor costs and increases productivity, generating a significant return on investment within the first year.

General specifications:

• tunnel Size: 125.7 cm x 170.2 cm (W x H);
• system Dimensions: 1260 cm x 453 cm x 296 cm (L x W x H);
• max Cargo Dimensions: 121.9 cm x 121.9 cm x 165.1 cm (L x W x H);
• net Weight1: 32,500 kg estimated (71,650 lbs);
• roller Bed Speed: 0.2 m/s (0.66 ft/s);
• roller Bed Capacity: 1600 kg (3527 lbs) Pallet;
• scan Duration (1 pass): 25 seconds;
• scan Duration (4 passes): 150 seconds;

• throughput (1 pass): Typical 60 pallets/hour;
• throughput (4 passes): Typical 20 pallets/hour.

Generator:

• voltage: 450kV;
• current, Power: 4.0 mA, 1.8kW;
• cooling: Oil cooling;
• beam Direction: Horizontal side-shooter, split into angled fan beams;
• detectors: 7 x 2432 Channels in L-Shaped Arrays.Would you like to view the complete specifications? Fill in the form below and download the datasheet!JTVCZW1haWwtZG93bmxvYWQlMjBkb3dubG9hZF9pZCUzRCUyMjIzODg2JTIyJTIwY29udGFjdF9mb3JtX2lkJTNEJTIyMzc3OSUyMiU1RA==

WTMD

peo DETECTION

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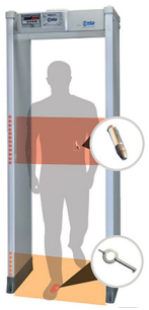
Partner CEIA

CEIA is a global leader in security screening technologies, specializing in Explosive Trace Detectors (ETDs), Handheld Metal Detectors, and Walk-Through Metal Detectors (WTMDs). Their solutions are engineered to deliver high-performance threat detection across a wide range of security environments.

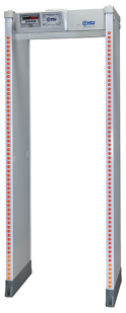
Product offering

SMD®600 Plus-MI2

SMD®601 Plus



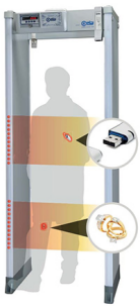
PMD2 Plus



PMD2 Plus Elliptic®

PMD2 Plus/EZHD

SMD®601 Plus Loss Prevention



Classic Metal Detector

CEIA SMD 600 plus

MSD Magnetic Static Detector - CEIA

HI-PE Plus Multi-Zone Metal Detector - CEIA

SMD®600 Plus-MI2

Combined Ferromagnetic and active Metal Detector
The SMD®600 Plus – MI2™ is optimized for the screening of people in applications where simultaneous detection of all metal (magnetic and non-magnetic) firearms and cellphone/smartphone devices, including the most miniaturized, low metal content versions, is required along with high-throughput and a low nuisance alarm rate.

Very High Performance Enhanced Walk-Through Metal Detector

- Detection of all-metal weapons, including light alloys threats
- High-Throughput
- Multizone red signaling

Cell phones detector

- Detection of standard and miniaturized cell phones and smartphones
- Detection of magnetized items
- Multizone yellow signaling

Applications

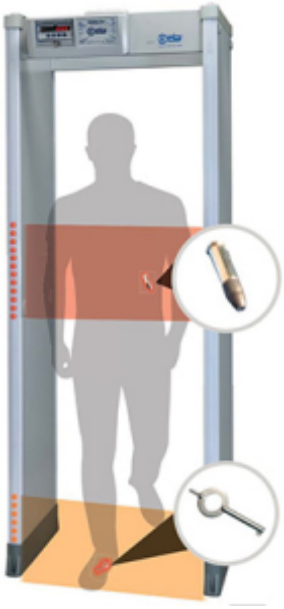
- Correctional facilities
- Data-sensitive meeting rooms
- Access restrictions enforcement of weapons, cell phones and smartphones
- Loss prevention of electronics devices
- Corporate anti-espionage

The new SMD®600 PLUS – MI2™ combines:

- The well renowned weapons detection and personal metallic objects discrimination performances of the CEIA SMD®600 Plus, 288-channel, NIJ0601.02 fully compliant Walk-Through Metal Detector (WTMD).
- The cellphone/smartphone detection and discrimination capabilities of the new CEIA MSD EVO™, state-of-the-art magnetostatic 18-axes detector that provides unparalleled detection uniformity and immunity against interferences.

On its own, the CEIA SMD®600 Plus WTMD is already a complete and efficient solution for the high-sensitivity detection of any metal weapon and any cellphone/smartphone in applications, such as the correctional facilities, where the inmates to be inspected are metal free or almost metal-free.

SMD®601 Plus



The SMD®601 Plus is a very high sensitive Walk-Through Metal Detector. A full-height light bar displays the location of the detected metal masses in transit. This results in rapid identification of threats and a reduction or elimination of the need for manual searches. SMD®601 Plus detects even the smallest metal items anywhere on or in the body.

Fully compliant with the NIJ-0601.02 and NIJ-0601.03 standards

The SMD®601 Plus further extends the detection sensitivity of the previous SMD®601 to metal threats before considered undetectable due to their minimal dimensions and metal composition similar to the ones specified in the new NIJ-0601.03 Standard.

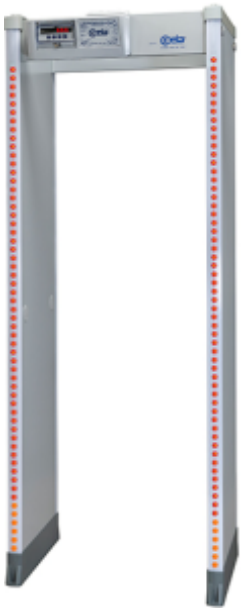
Accurate detection of all metallic threat items

- Very accurate pinpointing of individual and multiple metal targets
- Quick, accurate analysis of all parts of the body of people in transit, from the shoe level to the crossbar
- Built-in programs to screen visitors and staff for weapons and contraband

New certified ip66 control unit enclosure

- Total compatibility with previous control units
- Robust structure through the use of high-performance polymers for the construction of housing
- Waterproof / Dustproof: IP66 compliant (IEC 60529)
- Exceptional impact resistance at low and high temperatures and resistance to corrosion from atmospheric agents
- Display made with specific polymer to improve the visibility of the LEDs by increasing the definition and clarity

PMD2 Plus



Strict requirements and detection needs call for security checkpoints to perform efficiently even under very challenging conditions. The PMD2 Plus detects fi rearms and knives, even when they are hidden within body cavities, and accurately indicate the position of the threat, its intensity and its prevalent composition.

Most powerful and versatile security features

Up to 50 built-in Security Programs:

- Up to 30 International Standards
- Up to 20 Customizable Levels

Setting the Security Levels could not be easier and more versatile than in the PMD2 Plus.

Users can choose directly from the known International Standards or request implementation of a Standard personalized to their own requirements. Users can also create their own program and save it in internal memory for later use.

Chip Card system for fast, simple and secure parameter changes (i.e. alarm volume and tone, counter reading, etc. and security level selection.

One unique characteristic of the CEIA metal detectors is the chip-card system, which allows Security Management to set the Security Level quickly, reliably and without having to program the device in any way.

Any security standard can be enhanced with selectable random alarm probability.

PMD2 Plus Elliptic®

This is a zonal model featuring modern, elegant lines, and can be inserted into the most prestigious surroundings with the minimum visual impact. Easy to assemble and transport, the PMD2 Plus Elliptic® is also recommended for portable use in temporary or itinerant installations. The technology employed allows high discrimination to be achieved even at stringent security levels.

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Any security standard can be enhanced with selectable random alarm probability.

PMD2 Plus/EZHD

Strict requirements and detection needs call for security checkpoints to perform efficiently even under very challenging conditions. The PMD2 Plus/EZHD detects fi rearms and knives, even when they are hidden within body cavities, and accurately indicate the position of the threat, its intensity and its prevalent composition. The PMD2 Plus/EZHD has a very low nuisance alarm rate even at the strictest Security Standards requested today, and therefore allows high transit flow rates and the minimum need for intervention by inspection personnel.

Detection of all metallic threat items

- Capability to detect the full range of metal weapon threats even within body cavities
- Quick, accurate analysis of all parts of the body of people in transit, from the shoe level to the crossbar
- Guaranteed coverage for all orientations and locations, never in need of calibration
- Met-Identity technology for Identification of Threat Composition

High discrimination & throughput

- Cutting-edge discrimination technology allows personal effects to be ignored, creating rapid transit flow
- No need to remove items such as belts, coins, keys, jewelry, watches, wallets, etc.
- Better Discrimination = Shorter Lines and Less Staffing

SMD®601 Plus Loss Prevention

The SMD®601 Plus Loss Prevention Metal Detector prevents the theft or accidental removal of metallic objects. As people transit the system, their metal content is compared to a saved personal profile.

Quick, accurate analysis of all parts of the body of people in transit

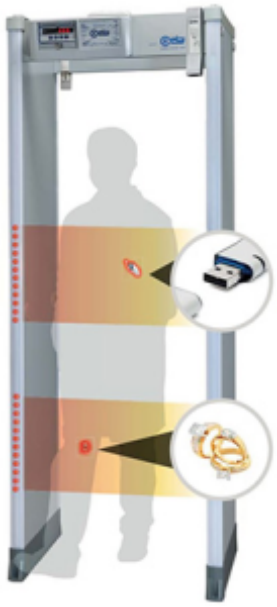
The superior uniformity of the electromagnetic field of the SMD®601 Plus Metal Detector provides very consistent metal detection readings on every transit.

This ground-breaking capability allows for individual creation of personal metallic signatures or metallic “profiles”.

True metal content profile for the person being screened

These profiles can be taken while the individual may be wearing non-removable items, like dental works, medical implants, wedding rings and piercings, and are stored in the SMD®601 Plus embedded data base.

These personal profiles are used as a reference for every transit carried out by an individual, allowing detection of small targets while ignoring non-removable personal objects.



Classic Metal Detector

The column construction, both attractive and compact, allows it to be inserted with ease into public environments such as, for example, schools and discotheques.
The Classic Metal Detector has an extremely competitive price/performance ratio.

The Classic is a Walk Through Metal Detector designed and engineered to meet the specific security needs of public facilities such as schools, hotels, amusement parks and city halls.

The Classic Metal Detector combines the required Security with a high level of operating efficiency. The leading edge technology features a **high flow rate of people through the gate with the minimum number of nuisance alarms**, as personal effects such as coins, keys and belt buckles can pass through the magnetic field without causing an alarm.

The Classic Metal Detector is **compact and lightweight**, making this portable unit adaptable to any surroundings. The patented cylinder design is aesthetically suitable for the most discrete applications.

This security equipment does not require any special training for normal use, making this **the most user friendly Walk Through Metal Detector in the industry**.

CEIA Metal Detectors have been selected by the leading security agencies worldwide to protect highranking government officials and schools. The Classic **conforms to all International Security Standards** and is capable of detecting both magnetic and non-magnetic weapons.

When security, operating efficiency and affordable pricing are required, the CEIA Classic Metal Detector is the obvious solution.

CEIA SMD 600 plus

A high sensitivity Metal Detector that offers characteristics of high discrimination and high detection uniformity.

The SMD 600 plus realizes a quick, accurate analysis of all parts of the body of people in transit, from the shoe level to the crossbar. This metal detector accurately pinpoints individual and multiple metal targets with built-in programs to screen visitors and staff for weapons and contraband.

CEIA’s cutting-edge discrimination technology allows personal effects to be ignored, creating rapid transit flow with four multi-zone display bars. Each programmable as entry Stop/Go and/or local alarm indication.It is developed with a flexible acoustic alarm signaling system (10 continuous and pulsed tones, 34 special sounds) and 10 alarm volume levels.

The SMD 600 plus has up to 50 built-in security programs: 30 International Standards, 20 with customizable levels. It has a chip card system for fast, simple and secure parameter changes (i.e. alarm volume and tone, counter reading, etc) and security level selection. Any security standard can be enhanced with a selectable random alarm probability.

Characteristics

- Very High Sensitivity
- Excellent discrimination of personal metal effects
- Fully compliant with, and exceeding, the NIJ-0601.02 Standard
- Very high throughput in high security public screening checkpoints
- Exceptional Immunity to external interferences
- High precision bidirectional counter with automatic rescreening compensation

Advantages

- Continuous self diagnostic system
- Proven reliability
- No periodic re-calibration and preventive maintenance required
- No scheduled maintenance
- Fully digital design
- State-of-the-art, robust and washable panels

- Protected against aging, weather and wear
- Ergonomic and robust design
- High visibility alphanumeric display and programming keyboard
- Made of advanced plastics or stainless steel and anti-vandalism construction (option)
- Access to the front panel protected by hardware key and 3 levels of passwords

MSD Magnetic Static Detector – CEIA

Highly Portbale Cell Phone Detector

The illegal use of cell phones is a growing and dangerous problem in correctional institutions worldwide. These devices are a significant threat to prison security and circumvent the monitoring processes in prisons, while allowing inmates to commit new crimes both inside and outside the facility. The MSD was specifically designed to detect all cell phones and ferrous contraband concealed on the person or in body cavities (including key fob cell phones, smart phones, radio transceivers, etc.) quickly and easily. The one-piece design allows the MSD to be easily transported and operational in 10 seconds.

Advantages

Video

- detection of magnets and ferromagnetic metals
- carrying case for personal transport and storage
- full-height, 360° detection (horizontal & vertical)
- 5 individual zones for pinpointing locations of contraband on the body
- covert operation through use of BT wireless communication headset
- fully weather proof for outdoor use
- 24 hours typical / 26 hours max. of continuous battery operation with 4.5 hours charge
- one-piece and lightweight design (total weight only 21 lbs with batteries included) easily transportable by one person
- unmatched detection in all environments without adjustment
- extremely durable design using stainless steel and high impact reinforced plastics
- anti-tip suction cups for securing to smooth floor surfaces (included)
- non-emitting device: safe for use for pace-makers and other medical implants
- throughput: 60+ people per minute (based on uninterrupted flow, separately alarms resolution)

Check the datasheet for specifications

Would you like more information or a demonstration?

HI-PE Plus Multi-Zone Metal Detector – CEIA

The HI-PE Plus walk-through metal detector provides accurate detection of all metals, high level of discrimination of non-threat items, full compliance with the latest Security Standards and exceptional immunity to external interferences.

The HI-PE Plus has a very low nuisance alarm rate even at the strictest Security Levels requested today, and therefore allows high transit flow rates and the minimum need for intervention by inspection personnel.

Accurate detection of all metallic threat items

- Capability to detect the full range of metal weapon threats even within body cavities
- 60 localization zones: 20 vertical; 3 lateral
- Met-Identity technology for Identification of Threat Composition

The most advanced Security Standards require detection of all ferrous and non-ferrous metal weapons and of those constructed in special non-magnetic alloys. The HI-PE Plus detects firearms and knives of this type, even when they are hidden within body cavities, and accurately indicate the position of the threat, its intensity and its prevalent composition. Inspection personnel thereby acquire thorough knowledge of the metal item and can act, according to procedures, with maximum effectiveness and security.

Most powerful and versatile security features

The metal detector has up to 50 built-in Security Programs:

- Up to 30 International Standards
- Up to 20 Customizable Levels

Setting the Security Levels could not be easier and more versatile than in the HI-PE Plus.

Users can choose directly from the known International Standards or request implementation of a Standard personalized to their own requirements. Users can also create their own program and save it in internal memory for later use.

Chip Card system for fast, simple and secure parameter changes (i.e. alarm volume and tone, counter reading, etc. and security level selection.

One unique characteristic of the CEIA metal detectors is the chip-card system, which allows Security Management to set the Security Level quickly, reliably and without having to program the device in any way.

Any security standard can be enhanced with selectable random alarm probability.

High discrimination and throughput

- Cutting-edge discrimination technology allows personal effects to be ignored, creating rapid transit flow
- No need to remove items such as belts, coins, keys, jewelry, watches, wallets, etc.
- Better Discrimination = Shorter Lines and/or Less Staffing

The transit volume magnetic scanning system, invented by CEIA and applied since production of the first zonal Metal Detectors in 1986, allows state-of-the-art detection and discrimination results.

The HI-PE Plus has a very low nuisance alarm rate even at the strictest Security Standards requested today, and therefore allows high transit flow rates and the minimum need for intervention by inspection personnel.

New WTMDs IP66 Control Unit

- New integrated design
- Total mechanical compatibility with IP20 (plastic) and IP65 (stainless steel) control units:
  - Dimensional
  - Installation
  - Wiring
  - Chip card
- Robust structure through the use of high-performance polymers for the construction of housing
- Waterproof / Dustproof: IP rating IP66 compliant
- Exceptional impact resistance at low and high temperatures and resistance to corrosion from atmospheric agents
- Display made with specific polymer to improve the visibility of the LEDs by increasing the defi nition and clarity

Unique alarm signalling

- High visibility of the control unit and the zone indication independent from the operator position and the installation environment
- Flexible Acoustic Alarm Signaling System: 10 Continuous and Pulsed Tones; 34 Special Sounds
- 10 Alarm Volume Levels
- Very High Precision Transit Counter

Accurate signaling is essential for best operation and flow management. The detector provides the user with fully-programmable signaling. Both entry-points can indicate with a high level of accuracy, even simultaneously, the vertical and lateral areas of transit of the threats detected, and can also be configured as ’traffic lights’ to control transits through the detector.

Rapid installation

- One touch guided automatic installation (OTS)
- Innovative function assisting the installation through an automatic step-by-step procedure
- Continuous self diagnostics assures monitored performance reliability

If you want to read more about this detector, take a look at our partner’s site!

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Partner 3DX-RAY

3DX-RAY is a leading provider of advanced X-ray imaging and detection technologies, specializing in Direct Radiography systems and Walk-Through Metal Detectors (WTMD) for security and inspection applications. Their solutions are designed to deliver clear, accurate threat detection across a wide range of operational environments.

Product offering

AXIS™ Archway Metal Detectors

← Back to partner

Security Detection › WTMD

AXIS™ Archway Metal Detectors

PRODUCT DESCRIPTION

The AXIS™ archway systems are walk-through metal detectors with independent detection zones.

They work well for a variety of applications and are simple to install and use, such as:

- building entrances
- jails
- Airports
- Lobbies of hotels
- Banks
- Locations of events

FEATURES

- Highly sensitive digital walk-through metal detectors
- Choice of detection zones available
- Quick analysis of metal objects


3DX-RAY