



CREATING INTELLIGENT SECURITY ERA



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COMPANY profile



Beijing Vacuum Electronic Technology Co., Ltd. (BVE) was founded in 1993, affiliated to 12th research institute of CETC (China Electronics Technology Group Corporation). As the earliest institute researching x-ray device and micro-wave device, we have been researching and developing many core parts and devices like: China first bi-focus x-ray tube, first 10MeV linear accelerator.

CETC is one of the fortune Global 500. BVE headquarter locates in Beijing, with manufacturing base in Zhejiang and global trade, marketing office in Shanghai. With near 30 years development, the company achieved great success in electronic core parts like security checking use x-ray generator tube, linear ion accelerator, industrial non-destructive checking x-ray tube, medical DR imaging x ray tube etc. researching, developing and manufacturing. We realized high-end security system core parts self-produced, which makes us different in the security industry. Having been participating into about 20 national level critical science researches & tasks including China manned space flight project, BVE successfully innovated 8 first demo critical technology equipment, participated into making (revising) 6 national and industrial standards including national vehicle x-ray security inspection system industry technical requirements in 2019 and achieved 4 national defence use and civil use patents.

BVE have been concentrating on intelligent security technology development and have a dedicated R&D team, manufacturing base as well as professional sales and after sales team with many years' field experience. Combining the vacuum and microwave technology, BVE' s main security business covers container scanner, various sized vehicle scanner, x-ray baggage scanner, human body security checking equipment as well as explosives, narcotics & liquid detector etc.

BVE have been providing series safeguarding services to many big events and clients, like Olympic Games, World Expo, 70th Anniversary National Day Military Parade 2019 etc. The security products, services as well as system security solutions have been accepted in many fields like Customs, Aviation, Subway, Railway, Highway, Post Logistics, Prisons, Courts, Big Events and so on. Our superior products' performance and excellent team servicing earned high recognition and praise from the end users.

The company always insists on Customer First and aims to be the industry leader creating intelligent security new era with consistent innovation and Integration. We would like to promote the development of technology& industry together with worldwide partners and meet the expectation of the clients with our state-of-art products and best intelligent security solutions.

CETC-Creating Intelligent Security Era!

Certificates



ISO 9001:2015 CERTIFICATE



ISO 14001:2015 CERTIFICATE



OHSAS 18001:2007 CERTIFICATE



HARDWARE DESIGN PATENT



COMPUTER SOFTWARE COPYRIGHT REGISTRATION CERTIFICATE



AAA CREDIT LEVEL ENTERPRISE



EUROPEAN CE CERTIFICATE



FCC, ROHS & IP



U.S.A. FDA CERTIFICATE



RADIATION SAFETY PERMIT



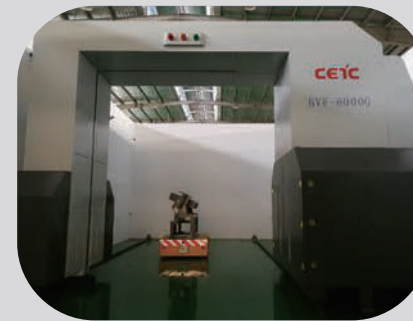
HEALTH TEST REPORTS



PUBLIC SECURITY BUREAU TEST REPORTS



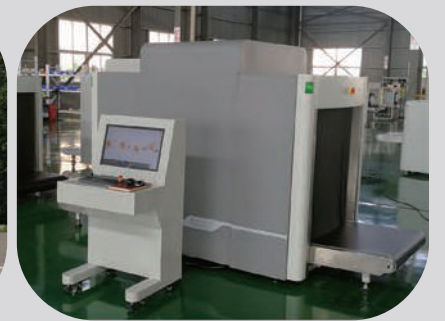
Product & Security Solution



CONTAINER/TRUCK SECURITY INSPECTION SYSTEM



VEHICLE SECURITY INSPECTION SYSTEM



X-RAY BAGGAGE SCANNER

CORE PARTS SELF-SUPPLYING CAPACITY



BVE -6000G

Vehicle/Container Security Inspection System



Feature Highlights

- **High Efficiency:** High throughput, high-speed imaging, inspection pass rate up to 120 vehicles / hour.
- **Intelligence:** The system could realize fast scanning driving through and has automatic alarm function when detecting threat items or suspicious objects.
- **High Safety:** Automatically avoid drivers' cabin and realize 100% security checking.

BVE-6000G vehicle security inspection system is used for trucks, containers and large vehicles' security checking. It has many advantages like: high inspection efficiency, intelligent operation, safety and reliability and so on.

BVE-6000G is an essential security inspection equipment for customs, ports, military bases and key sections. By using the X-ray penetrating scanning, the system can identify contrabands like weapon, explosives, drugs, contrabands etc. which are hidden in the interior of the trucks, containers, etc. So that contrabands can not be hidden anywhere.

With these features of high efficiency, intelligent operation and high safety etc. BVE-6000G could be widely used in customs, border control, ports, logistics, transportation hubs, highway checkpoints and other inspection fields.

General Specifications

System dimensions:	6.96 (W) x 5.43 (H) x 2.6 (L) [m]
Tunnel dimensions:	4.0 (W) x 4.7 (L) [m]
Max vehicle size:	3.0 (W) x 4.6 (L) [m]
Scanning speed:	15 km/h, throughput 120 vehicles/h
Penetration (steel):	Standard: 320 mm
Resolution (wire recognition):	Standard: 1mm

X-ray Generator Anode

Anode Voltage/cooling/duty cycle:	6/3 MeV • hermetically sealed water bath • 100%
Beam directions:	From side

Image Generating System

Monitor	40" flat Panel LCD monitor; 4K resolution
X-ray converter	L-shaped multi-energy high-sensitivity detector line
Image presentation	B/W, color
Digital video memory	HD3840 x 2160 / 24 bit
Image processing functions	Color / White and black; Organic/inorganic/mixture, Super enhancement; Edge enhancement ; inverse ; Histogram equalization ; Logarithmic transformation; Continuouszoom

Other functions : Real-time image processing; Real-time system status monitoring; Running status monitoring; Database management; Image and data transmission, archiving and reporting functions; Print and event records; Data achieve

Additional Features

Options: Protection wall, Gate checking, Remote control station, Checking room, Speed detection system, Traffic lights, License plate recognition, Under vehicle inspection, CCTV, Climate operation-set radiation detect system, Diesel power generator

Installation Data

Operating temperature:	-30°C- 50°C
Humidity:	0% - 99% (non-condensing)
Power supply:	Standard: 380 VAC (±15%) · 3-phase 50 Hz (±3 Hz)
Power consumption:	Less than 25 kVA



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BVE -6000P

Portal Vehicle/Container Security Inspection System



Feature Highlights

- **High Efficiency:** Pass rate up to 120 vehicles/hour.
- **High Accuracy:** Strong penetration, clear image, high accuracy, could solve the problem of error and low efficiency during manual inspection.
- **Intelligence:** If the hazardous article or suspicious are found in the scanning, the system will alarm automatically.
- **Safety:** Automatically avoid scanning the cab; security check is safe for people.

BVE-6000P drive-through portal container security inspection system applies x-ray radiation imaging technology to acquire images of different density substances inside the container, so as to realize the scanning & imaging inspection of the container. It can effectively identify the contrabands hidden in the trunk, container interlayer, etc., such as weapons, explosives, drugs, smuggled goods, etc.

The vehicle drives directly through the scanning channel at a speed of less than 15 km/h and the system automatically avoid to scan the cab, which realize quick check without unpacking the container. And it is 100% safe for people. The system function of automatic operation and fast passing, which can reduce the need for manual inspection. The scanning process is simple and it avoids traffic congestion.

BVE-6000P has the features of high efficiency, intelligent operation and high safety etc. This system could be widely used in customs, border control, ports, logistics, transportation hubs, highway checkpoints and other inspection fields.

General Specifications

System size(without protective wall) :	6.96 (W) x 5.43 (H) x 2.6 (L) [m]
Max vehicle size :	3(W) x4.8 (H) [m]
Scanning speed :	120 vehicles/h
Penetration steel :	300mm
Resolution (wire detectability) :	1.5mm steel wire in the air visible

X-ray Generator Anode

Beam direction:	From Side6/3MeV• hermetically
Electron energy• cooling:	sealed water bath

Image Generating System

X-ray converter	L-shaped detector line, high resolution
Image presentation	B/W, color
Digital video memory	2560 x 1440 / 2K
Monitor	32" flat Panel LCD monitor
Image evaluation functions	Organic/Inorganic/Mixture imaging, Image super enhancement,Edge enhancement, Inverse, Histogram equalization, Logarithmictransformation, exponential transformation, high absorption alarm,image magnifier, continuous zooming, brightening/darkening,gray-scale scanning, image review, suspicious objects marking,original and processed images stored in same location, imageconversion format

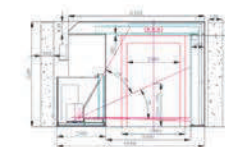
Other functions: Radiation material monitoring system, Vehicle plate recognition, protecting wall, gate inspection, remote checking work station, inspection room, velocity detection system, traffic lights, container number recognition, under vehicle inspection system, CCTV, diesel power generator, fire alarm signal, computer training simulation software, calibration test device, local service station

Additional Features

Options: Operator compartment; License plate recognition; Remote control and data transmission; Remote operator roomgenerator

Installation Data

Operating temperature:	-30°C -60°C
Humidity:	0% - 99% (non-condensing)
Power supply:	380VAC ±15%, 3-phase 50Hz ± 3Hz
Power consumption:	approx. 25 kVA



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BVE -7500M

Mobile Vehicle/Container Security Inspection System



Feature Highlights

- **High Efficiency:** Pass rate up to 120 vehicles/hour under drive-through mode and up to 25 vehicles/hour under mobile type;
- **Flexibility:** Could move to different locations quickly and choose different scanning mode according to clients' requirements;
- **Adaptability:** Compact design, could work properly under extreme cold and hot environment;
- **High Accuracy:** Strong Penetration, clear image, high accuracy, could solve the problem and low efficiency in manual inspection.
- **Long Time Working:** Could work 24 hours one day in all weather.

BVE-7500M mobile type container security inspection system applies x-ray radiation imaging technology to acquire images of different density substances inside the container, so as to realize the scanning & imaging inspection of the container. It can effectively identify the contraband hidden in the trunk, container interlayer, etc., such as weapons, explosives, drugs, smuggled goods, etc.

Using betatron electron cyclotron accelerator, BVE-7500M could realize turnaround independently. 15 minutes warming up is enough for operation. There are two modes (mobile mode, drive-through mode) which could be switched quickly according to the end users' requirements. It has the features of flexibility, high efficiency and strong operation etc.

BVE-7500M could be widely used in customs, border control, ports, transportation hubs, highway checkpoints and other inspection fields.

General Specifications

System dimensions:	2.5 (W) x 4.0 (H) x 9.9 (L) [m] Folded & 7.1(W)x 5.35 (H)x 9.9(L) Unfolded
Tunnel dimensions:	3.52 (W) x 4.86 (L) [m]
Max. vehicle size:	2.8 (W) x 4.8 (L) [m]
Scanning speed:	15 km/h, throughput 120 vehicles/h (Drive Through) & 0.4m/s, throughput 25 vehicles/h (Mobile)

Penetration (steel):	Standard: 300 mm
Resolution (wire recognition):	Standard: 1.2 mm

X-ray Generator Anode

Beam direction:	From Side 6/3MeV• hermetically
Electron energy• cooling:	sealed water bath

Image Generating System

Monitor	32" flat Panel LCD monitor; 2K resolution
X-ray converter	L-shaped multi-energy high-sensitivity detector line
Image presentation	B/W, Color
Digital video memory Image	2560 x 1440
Processing functions	Color / White and black; Organic/inorganic/mixture, Super enhancement ; Edge enhancement ; inverse ; Histogram equalization ; Logarithmic transformation; Continuous zoom

Other functions: Real-time image processing; Real-time system status monitoring; Running status monitoring; Database management; Image and data transmission, archiving and reporting functions; Print and event records; Data achieve

Additional Features

Options: Protective wall, Gate checking, Remote control station, Checking room, Speed detection system, Traffic lights, License plate recognition, Under vehicle inspection, CCTV, Climate operation-set radiation detect system (CBT), Diesel power generato

Installation Data

Operating temperature:	-30°C- 60°C
Humidity:	0% - 99% (non-condensing)
Power supply:	Standard: 380 VAC (±15%), 3-phase 50 Hz (±3 Hz)
Power consumption:	Less than 22 kVA

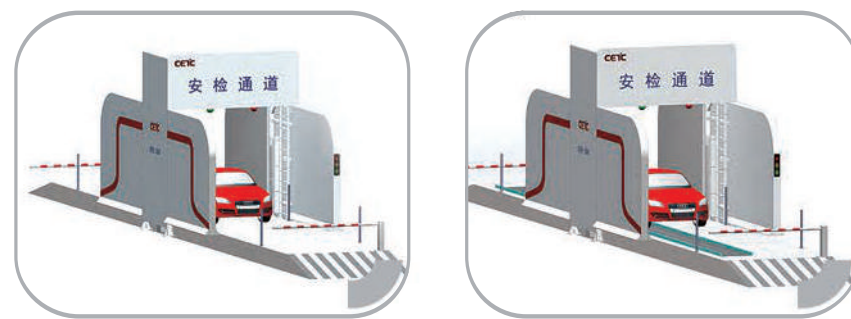


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BVE-300& BVE-300(Drive Through)

Vehicle/Cargo Security Inspection System



Feature Highlights

- **High Efficiency:** High-speed vehicle transmission, high-speed imaging, inspection pass rate up to 200 vehicles /hour (Drive Through Type) and 40 vehicles /hour (Conveyor Belt Type).
- **Intelligency:** Automatic detection of vehicles, automatic inspection, automatic beam output, remote control and data transmission
- **Safety:** Automatically transmission; the vehicle drive through safety check zone to protect driver and worker from x-ray radiation.
- **Customization:** We provide customized design service for vehicle inspection system.

BVE-300 vehicle security inspection system is used for small and medium-sized vehicles' security checking. It has many advantages, for example: high efficiency, intelligent operation and so on. By using the X-ray penetrating scanning, the system can identify contraband goods such as explosives, guns, knives and drugs, etc, which are hidden in cabin, the interior of the vehicle, engine compartment, chassis and other locations in the car. So that contraband goods cannot be hidden anywhere.

BVE-300 vehicle scanner is an efficient, essential security inspection system for various critical places like: important government agencies, embassy, prisons, hotels, borders, checkpoints, customs, military bases, critical infrastructures etc.

General Specifications

Tunnel sizes	3.2 (W) x 3.2 (H) [m]
Max vehicle size	2.8 (W) x 2.8 (H) [m] (Drive-through)
	2.5(W) x 3.5(H) x 8(L) [m] (Conveyor-belt)
Scanning speed	8 km/h (Drive-through)
	0.3m/s (Conveyor-belt)
Penetration steel	Standard: 65 mm Typical: 70 mm
Resolution (wire detectability)	Standard: 0.75 mm Typical: 0.5 mm

X-ray Generator Anode

Beam direction:	From top to bottom
Voltage• cooling• duty cycle:	320 KV• hermetically sealed oil bath&100%

Image Generating System

X-ray converter	U-shaped detector line, high resolution
Image presentation	B/W, color
Digital video memory	1280 x 1024 / 24 bit
Monitor	40" flat Panel LCD monitor
Image evaluation functions	Image enhancement; Image magnification; Brightening/ darkening; Edge enhancement; Grayscale scanning; Play back; Image storage;

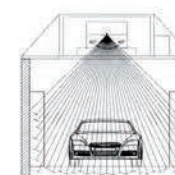
Other functions : Date / time display; vehicle number count; User management; network interface; Working time display; power self-test; Maintenance diagnosis; image recognition training; Image automatic recognition;

Additional Features

Options: Operator compartment; License plate recognition / Remote control and data transmission Remote operator room

Installation Data

Operating temperature:	-30°C - 50°C
Humidity:	0%~ 90%
Power supply:	380VAC ±15%, 3-phase 50Hz ± 3Hz
Power consumption:	Approx. 15KVA



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BVE -5030

Handbag X-ray Baggage Scanner



Feature highlights

- **Safety:** World leading safety protection technology, complying all international standards for health and safety of operators and the public.
- **C-AD:** Automatically detection and alarm of a wide range of explosives, narcotics in real time during the scanning process by clearly highlighting potential threats on the X-ray image.
- **C-TIP:** Threat Image Projection function with strong image library, providing a powerful solution for operator performance monitoring and training.
- **Exclusive CETC Professional Material Discrimination Function:** with 8 selectable imaging background colors for users.
- **Customized Service** provided: meeting various end users' requirements for special software and hardware expectations.
- **High quality image** with wire resolution of 40AWG and steel penetration of 34 mm.

The BVE-5030 is an advanced x-ray system for screening small baggage, easy to operate, specially designed to meet the needs and applications of airports, customs, prisons, courts, shopping malls, hotels, parcel services, government offices, factories or wherever high security and total screening of a large variety of dimensions required.

The BVE-5030 is a compact x-ray security inspection system with tunnel size of 510 mm width by 305 mm height. It permits the inspection of the baggage of small parcels, handbags, regular baggage with high quality X-ray image quality. Operator training courses offered by CETC have an excellent reputation all over the world and they are carried out individually for each customer.

BVE-5030 offers all the advantages of CETC technology, including high-quality imaging, the industry's most user-friendly operator interface and networking capabilities. The imaging is consistently fast, accurate and efficient screening and detection of weapons, narcotics, explosives and other threats, contrabands.

General Specifications

Tunnel Size:	510(W) x 305(H) [mm]
Conveyor Height:	Approx.745 mm
Conveyor Speed:	0.2 m/s
Max. Conveyor Load:	100 kg
Resolution(wire recognition):	40 AWG

Penetration (steel):	34 mm
X-ray Leakage:	1 μGy/h
Duty Cycle:	100 %
Film Safety:	Guaranteed for ISO1600 (33DIN)

X-ray Generator Anode

Voltage • Cooling:	160 KV (adjustable)• hermetically sealed oil bath
Beam Direction:	From bottom to top

Image Generating System

Monitor	19" Flat Panel LED Monitor
X-ray Converter	L-shaped multi-energy high-sensitivity detector line
Grey Level	65536
Image Presentation	B/W, color
Digital Video Memory	1280 x 1024 / 24 bit
Image Evaluation Functions	C-AD, C-TIP, O2, OS, Alarm Function, Review, Fault Self-diagnosis and Maintenance Functions, Image Navigation, System Working Timing, User Management, Emergency Stop, Working Status Display, Zoom up to 64 times, Date & Time Display, High Density Alarm, Image Magnification Display, Luggage Counting, Network Interface, One-key Shutdown, Self-check Power-on, Save and Retrieval, Ultra-thin Scanning, System on& X-Ray Emission Timing, Bi-directional scanning, Image Identification Training, Energy-saving, Free Programmable Keys.

Additional Features

Functions and Options : Printer, UPS, Entry& exit plates, Video monitoring system, Power stabilizer, LED notification bar, Speaker, Voice recorder, Bar-code, etc.

Installation Data

Noise Level:	< 55 dB(A)
Operating / Storage Temperature:	0°C - 45°C / -20°C - 60°C
Humidity:	0% - 90% (non-condensing)
Power Supply:	Standard: 220 VAC (+/-10%)• 50 Hz (+/- 3 Hz)
Power Consumption:	Approx. 0.6 KVA
Dimension • Weight:	1748 (L) x 790 (W) x 1210 (H) [mm] • approx. 220 kg
Mechanical Construction:	Steel construction with steel panels, mounted on roller castors, easy to move.



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BVE -6040B

X-ray Baggage Scanner



Feature Highlights

- **Safety:** World leading safety protection technology, complying all international standards for health and safety of operators and the public.
- **C-AD:** Automatically detection and alarm of a wide range of explosives, narcotics in real time during the scanning process by clearly highlighting potential threats on the X-ray image.
- **C-TIP:** Threat Image Projection function with strong image library, providing a powerful solution for operator performance monitoring and training.
- **Exclusive CETC Professional Material Discrimination Function:** with 8 selectable imaging background colors for users.
- **Customized Service provided:** meeting various end users' requirements for special software and hardware expectations.
- **High quality image** with wire resolution of 40 AWG and high steel penetration.

The BVE-6040B is an advanced x-ray system for screening regular baggage, easy to operate, specially designed to meet the needs and applications of airports, customs, prisons, courts, shopping malls, hotels, parcel services, government offices, factories or wherever high security and total screening of a large variety of dimensions required.

The BVE-6040B is a compact x-ray security inspection system with tunnel size of 606 mm width by 408 mm height. It permits the inspection of the small parcels and packages without any loss of X-ray image quality.

Operator training courses offered by CETC have an excellent reputation all over the world and they are carried out individually for each customer. BVE-6040B offers all the advantages of CETC technology, including high-quality imaging, the industry's most user-friendly operator interface and networking capabilities. The imaging is consistently fast, accurate and efficient screening and detection of weapons, narcotics, explosives and other threats, contrabands.

General Specifications

Tunnel Size:	606 (W) x 408 (H) [mm]
Conveyor Height:	Approx. 566 mm
Conveyor Speed:	0.2 m/s; Option 0.2 to 0.4 m/s (adjustable with frequency converter)
Max. Conveyor Load:	200 kg
Resolution (wire recognition):	40 AWG

Penetration (steel):	38 mm
X-ray Leakage:	1 μGy/h
Duty Cycle:	100 %
Film Safety:	Guaranteed for ISO1600 (33 DIN)

X-ray Generator Anode

Voltage • Cooling:	160 kV (adjustable) • hermetically sealed oil bath
Beam Direction:	From bottom to top

Image Generating System

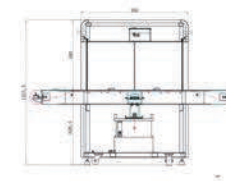
Monitor	19" Flat Panel LED Monitor
X-ray Converter	L-shaped multi-energy high-sensitivity detector line
Grey Level	65536
Image Presentation	B/W, color
Digital Video Memory	1280 x 1024 / 24 bit
Image Evaluation Functions	C-AD, C-TIP, O2, OS, Alarm Function, Review, Fault Self-diagnosis and Maintenance Functions, Image Navigation, System Working Timing, User Management, Emergency Stop, Working Status Display, Zoom up to 64 times, Date & Time Display, High Density Alarm, Image Magnification Display, Luggage Counting, Network Interface, One-key Shutdown, Self-check Power-on, Save and Retrieval, Ultra-thin Scanning, System on & X-Ray Emission Timing, Bi-directional scanning, Image Identification Training, Energy-saving, Free Programmable Keys.

Additional Features

Functions and Options: Printer, UPS, Entry & exit plates, Video monitoring system, Power stabilizer, LED notification bar, Speaker, Voice recorder, Bar-code, etc

Installation Data

Noise Level:	< 60 dB(A)
Operating / Storage Temperature:	0°C - 45°C / -20°C - 60°C
Humidity:	10% - 90% (non-condensing)
Power Supply:	Standard: 220 VAC (±10%) • 50 Hz (±3 Hz)
Power Consumption:	Approx. 0.8 KVA
Dimension • Weight :	1865 (L) x 850 (W) x 1222 (H) [mm] • approx. 420 kg
Mechanical Construction:	Steel construction with steel panels, mounted on roller castors, easy to move.



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BVE -6040D

Dual View X-ray Baggage Scanner

Feature Highlights



- **Safety:** World leading safety protection technology, complying all international standards for health and safety of operators and the public.
- **C-AD:** Automatically detection and alarm of a wide range of explosives, narcotics in real time during the scanning process by clearly highlighting potential threats on the X-ray image.
- **C-TIP:** Threat Image Projection function with strong image library, providing a powerful solution for operator performance monitoring and training.
- **Exclusive CETC Professional Material Discrimination Function:** with 8 selectable imaging background colors for users.
- **Customized Service provided:** meeting various end users' requirements for special software and hardware expectations.
- **High quality image** with wire resolution of 40 AWG and high steel penetration.

The BVE-6040D is an advanced dual x-ray generator, dual view x-ray system for screening regular baggage, easy to operate, specially designed to meet the needs and applications of airports, customs, public transportation operations, stadiums, government offices or wherever high security and total screening of a large variety of dimensions required.

The BVE-6040D is a compact x-ray security inspection system with tunnel size of 606mm width by 408 mm height. It permits the inspection of parcels and packages without any loss of X-ray image quality.

Operator training courses offered by CETC have an excellent reputation all over the world and they are carried out individually for each customer. BVE-6040D offers all the advantages of CETC technology, including high-quality imaging, the industry's most user friendly operator interface, and networking capabilities. The imaging is consistently fast, accurate and efficient screening and detection of weapons, narcotics, explosives and other threats, contrabands.

General Specifications

Tunnel Size:	606 (W) x 408 (H) [mm]
Conveyor Height:	Approx. 566 mm
Conveyor Speed:	0.2 m/s; Option 0.2 to 0.4 m/s (adjustable with frequency converter)
Max. Conveyor Load :	200 kg
Resolution (wire recognition):	40 AWG

Penetration (steel):	38 mm
X-ray Leakage:	2 μGy/h
Duty Cycle:	100 %
Film Safety:	Guaranteed for ISO1600 (33DIN)

X-ray Generator Anode

Voltage • Cooling:	160 kV (adjustable) • hermetically sealed oil bath
Beam Direction:	1 from bottom to top, 1 from side

Image Generating System

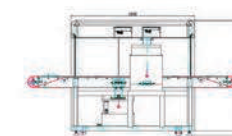
Monitor	19" Flat Panel LED Monitor
X-ray Converter	L-shaped multi-energy high-sensitivity detector line
Grey Level	65536
Image Presentation	B/W, color
Digital Video Memory	1280 x 1024 / 24 bit
Image Evaluation Function	C-AD, C-TIP, O2, OS, Alarm Function, Review, Fault Self-diagnosis and Maintenance Functions, Image Navigation, System Working Timing, User Management, Emergency Stop, Working Status Display, Zoom up to 64 times, Date & Time Display, High Density Alarm, Image Magnification Display, Luggage Counting, Network Interface, One-key Shutdown, Self-check Power-on, Save and Retrieval, Ultra-thin Scanning, System on& X-Ray Emission Timing, Bi-directional scanning, Image Identification Training, Energy-saving, Free Programmable Keys.

Additional Features

Functions and Options: Printer, UPS, Entry& exit plates, Video monitoring system, Power stabilizer, LED notification bar, Speaker, Voice recorder, Bar-code, etc.

Installation Data

Noise Level:	< 55 dB(A)
Operating / Storage Temperature:	0°C - 45°C / -20°C - 60°C
Humidity:	0% - 90% (non-condensing)
Power Supply:	Standard: 220 VAC (+/-10%) • 50 Hz (+/- 3 Hz)
Power Consumption:	Approx. 1.0 KVA
Dimension • Weight:	2218 (L) x 1100 (W) x 1222 (H) [mm] • approx. 600 kg
Mechanical Construction:	Steel construction with steel panels, mounted on roller castors, easy to move



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BVE -6550B

X-ray Baggage Scanner



Feature Highlights

- **Safety:** World leading safety protection technology, complying all international standards for health and safety of operators and the public.
- **C-AD:** Automatically detection and alarm of a wide range of explosives, narcotics in real time during the scanning process by clearly highlighting potential threats on the X-ray image.
- **C-TIP:** Threat Image Projection function with strong image library, providing a powerful solution for operator performance monitoring and training.
- **Exclusive CETC Professional Material Discrimination Function:** with 8 selectable imaging background colors for users.
- **Customized Service provided:** meeting various end users' requirements for special software and hardware expectations.
- **High quality image** with wire resolution of 40 AWG and high steel penetration.

The BVE-6550B is an advanced x-ray system for screening regular baggage, easy to operate, specially designed to meet the needs and applications of airports, customs, prisons, courts, shopping malls, hotels, parcel services, government offices, factories or wherever high security and total screening of a large variety of dimensions required.

The BVE-6550B is a compact x-ray security inspection system with tunnel size of 655 mm width by 504 mm height. It permits the inspection of the small parcels and packages without any loss of X-ray image quality.

Operator training courses offered by CETC have an excellent reputation all over the world and they are carried out individually for each customer. BVE-6550B offers all the advantages of CETC technology, including high-quality imaging, the industry's most user friendly operator interface and networking capabilities. The imaging is consistently fast, accurate and efficient screening and detection of weapons, narcotics, explosives and other threats, contrabands.

General Specifications

Tunnel Size:	655 (W) x 504 (H) [mm]
Conveyor Height:	Approx. 716 mm
Conveyor Speed:	0.2 m/s Option: 0.2m/s to 0.4 m/s (adjustable with frequency converter)
Max. Conveyor Load:	200 kg
Resolution (wire recognition):	40 AWG

Penetration(steel):	38 mm
X-ray Leakage:	1 μGy/h
Duty Cycle:	100 %
Film Safety:	Guaranteed for ISO1600(33 DIN)

X-ray Generator Anode

Voltage • Cooling:	160 kV (adjustable) • hermetically sealed oil bath
Beam directions:	From bottom to top

Image Generating System

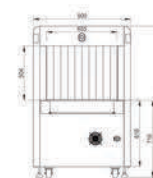
Monitor	19" Flat Panel LED Monitor
X-ray Converter	L-shaped multi-energy high-sensitivity detector line
Grey Level	65536
Image Presentation	B/W, color
Digital Video Memory	1280 x 1024 / 24 bit
Image Evaluation Functions	C-AD, C-TIP, O2, OS, Alarm Function, Review, Fault Self-diagnosis and Maintenance Functions, Image Navigation, System Working Timing, User Management, Emergency Stop, Working Status Display, Zoom up to 64 times, Date & Time Display, High Density Alarm, Image Magnification Display, Luggage Counting, Network Interface, One-key Shutdown, Self-check Power-on, Save and Retrieval, Ultra-thin Scanning, System on& X-Ray Emission Timing, Bi-directional scanning, Image Identification Training, Energy-saving, Free Programmable Keys.

Additional Features

Functions and Options: Printer, UPS, Entry& exit plates, Video monitoring system, Power stabilizer, LED notification bar, Speaker, Voice recorder, Bar-code, etc.

Installation Data

Noise Level:	≤ 60 dB(A)
Operating / Storage Temperature:	0°C - 45°C / -20°C - 60°C
Humidity:	0% - 90% (non-condensing)
Power Supply:	Standard: 220 VAC (+/-10%) • 50 Hz (+/- 3 Hz)
Power Consumption:	Approx. 0.85 KVA
Dimension • Weight:	1966 (L) x 900 (W) x 1405 (H) [mm] • approx. 500 kg
Mechanical Construction:	Steel construction with steel panels, mounted on roller castors, easy to move.



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Product pictures are for general reference



BVE -6550D

Dual View X-ray Baggage Scanner



Feature Highlights

- **Safety:** World leading safety protection technology, complying all international standards for health and safety of operators and the public.
- **C-AD:** Automatically detection and alarm of a wide range of explosives, narcotics in real time during the scanning process by clearly highlighting potential threats on the X-ray image.
- **C-TIP:** Threat Image Projection function with strong image library, providing a powerful solution for operator performance monitoring and training.
- **Exclusive CETC Professional Material Discrimination Function:** with 8 selectable imaging background colors for users.
- **Customized Service provided:** meeting various end users' requirements for special software and hardware expectations.
- **High quality image** with wire resolution of 40 AWG and high steel penetration.

The BVE-6550D is an advanced dual x-ray generator, dual view x-ray system for screening regular baggage, easy to operate, specially designed to meet the needs and applications of airports, customs, public transportation operations, stadiums, government offices or wherever high security and total screening of a large variety of dimensions required.

The BVE-6550D is a compact x-ray security inspection system with tunnel size of 655 mm width by 504 mm height. It permits the inspection of parcels and packages without any loss of X-ray image quality.

Operator training courses offered by CETC have an excellent reputation all over the world and they are tailored and carried out individually for each customer. BVE-6550D offers all the advantages of CETC technology, including high-quality imaging, the industry's most user-friendly operator interface and networking capabilities. The imaging is consistently fast, accurate and efficient screening and detection of weapons, narcotics, explosives and other threats, contrabands.

General Specifications

Tunnel Size:	655 (W) x 504 (H) [mm]
Conveyor Height:	Approx. 726 mm
Conveyor Speed:	0.2 m/s Option 0.2 to 0.4 m/s (adjustable with frequency converter)
Max. Conveyor Load:	200 kg
Resolution (wire recognition):	40 AWG

Penetration (steel):	38 mm
X-ray Leakage:	2μGy/h
Duty Cycle:	100 %
Film Safety:	Guaranteed for ISO1600 (33DIN)

X-ray Generator Anode

Voltage • Cooling:	160 kV (adjustable)• hermetically sealed oil bath
Beam Directions:	1 from bottom to top, 1 from side

Image Generating System

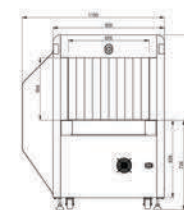
Monitor	19" Flat Panel LED Monitor
X-ray Converter	L-shaped multi-energy high-sensitivity detector line
Grey Level	65536
Image Presentation	B/W, color
Digital Video Memory	1280 x 1024 / 24 bit
Image Evaluation Functions	C-AD, C-TIP, O2, OS, Alarm Function, Review, Fault Self-diagnosis and Maintenance Functions, Image Navigation, System Working Timing, User Management, Emergency Stop, Working Status Display, Zoom up to 64 times, Date & Time Display, High Density Alarm, Image Magnification Display, Luggage Counting, Network Interface, One-key Shutdown, Self-check Power-on, Save and Retrieval, Ultra-thin Scanning, System on& X-Ray Emission Timing, Bi-directional scanning, Image Identification Training, Energy-saving, Free Programmable Keys.

Additional Features

Functions and Options: Printer, UPS, Entry& exit plates, Video monitoring system, Power stabilizer, LED notification bar, Speaker, Voice recorder, Bar-code, etc.

Installation Data

Noise Level:	≤ 60 dB(A)
Operating / Storage Temperature:	0°C- 45°C / -20°C - 60°C
Humidity:	0% - 90% (non-condensing)
Power Supply:	Standard: 220 VAC (+/-10%)• 50 Hz (+/- 3 Hz)
Power Consumption:	Approx. 1.1 KVA
Dimension • Weight:	2267 (L) x 1150 (W) x 1415 (H) [mm] • approx. 700 kg
Mechanical Construction:	Steel construction with steel panels, mounted on roller castors, easy to move.



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BVE -100100T

X-ray Luggage Scanner

Feature Highlights



- **Safety:** World leading safety protection technology, complying all international standards for health and safety of operators and the public.
- **C-AD:** Automatically detection and alarm of a wide range of explosives, narcotics in real time during the scanning process by clearly highlighting potential threats on the X-ray image.
- **C-TIP:** Threat Image Projection function with strong image library, providing a powerful solution for operator performance monitoring and training.
- **Exclusive CETC Professional Material Discrimination Function:** with 8 selectable imaging background colors for users.
- **Customized Service provided:** meeting various end users' requirements for special software and hardware expectations.
- **High quality image** with wire resolution of 40AWG and steel penetration of 34mm.

The BVE-100100T is an advanced x-ray system for screening regular luggage, easy to operate, specially designed to meet the needs and applications of airports, customs, public transportation operations, hotels, logistics, carriers, parcel services, government offices, prisons or wherever high security and total screening of a large variety of dimensions required.

The BVE-100100T is a x-ray security inspection system with tunnel size of 1020 mm width by 1015 mm height. It permits the inspection of the luggage from parcels and packages to large cartons without any loss of X-ray image quality.

Operator training courses offered by CETC have an excellent reputation all over the world and they are tailored and carried out individually for each customer. BVE-100100T offers all the advantages of CETC technology, including high-quality imaging, the industry's most user friendly operator interface and networking capabilities. The imaging is consistently fast, accurate and efficient screening and detection of weapons, narcotics, explosives, and other threats, contrabands.

General Specifications

Tunnel Size:	1020(W) x 1015(H) [mm]
Conveyor Height:	Approx. 281 mm
Conveyor Speed:	0.2 m/s Option 0.2 to 0.4 m/s (adjustable with frequency converter)
Max. Conveyor Load:	200 kg
Resolution (wire recognition):	40 AWG
Penetration (steel):	34 mm
X-ray Leakage:	1 μGy/h

Duty Cycle:	100 %
Film Safety:	Guaranteed for ISO1600 (33DIN)

X-ray Generator Anode

Voltage • Cooling:	160 KV (adjustable) • hermetically sealed oil bath
Beam Direction:	From top to bottom

Image Generating System

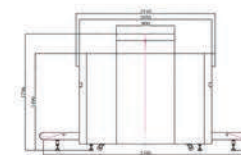
Monitor	19" Flat Panel LED Monitor
X-ray Converter	L-shaped multi-energy high-sensitivity detector line
Grey Level	65536
Image Presentation	B/W, color
Digital Video Memory	1280 x 1024 / 24 bit
Image Evaluation Functions	C-AD, C-TIP, O2, OS, Alarm Function, Review, Fault Self-diagnosis and Maintenance Functions, Image Navigation, System Working Timing, User Management, Emergency Stop, Working Status Display, Zoom up to 64 times, Date & Time Display, High Density Alarm, Image Magnification Display, Luggage Counting, Network Interface, One-key Shutdown, Self-check Power-on, Save and Retrieval, Ultra-thin Scanning, System on& X-Ray Emission Timing, Bi-directional scanning, Image Identification Training, Energy-saving, Free Programmable Keys.

Additional Features

Functions and Options: Printer, UPS, Entry& exit plates, Video monitoring system, Power stabilizer, LED notification bar, Speaker, Voice recorder, Weighter device, Bar-code, etc.

Installation Data

Noise Level:	< 55 dB(A)
Operating / Storage Temperature:	0°C - 45°C / -20°C - 60°C
Humidity:	0% - 95% (non-condensing)
Power Supply:	Standard: 220 VAC (+/-10%) • 50 Hz (+/- 3 Hz)
Power Consumption:	Approx. 1.0 KVA
Dimensions • Weight:	3277 (L) x 1290 (W) x 1796 (H) [mm] • approx. 1200 kg
Mechanical Construction:	Steel construction with steel panels, mounted on roller castors, easy to move.



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BVE -100100D

Dual View X-ray Luggage Scanner



Feature Highlights

- **Safety:** World leading safety protection technology, complying all international standards for health and safety of operators and the public.
- **C-AD:** Automatically detection and alarm of a wide range of explosives, narcotics in real time during the scanning process by clearly highlighting potential threats on the X-ray image.
- **C-TIP:** Threat Image Projection function with strong image library, providing a powerful solution for operator performance monitoring and training.
- **Exclusive CETC Professional Material Discrimination Function:** with 8 selectable imaging background colors for users.
- **Customized Service provided:** provided: meeting various end users' requirements for special software and hardware expectations.
- **High quality image** with wire resolution of 40 AWG and steel penetration of 34 mm.

The BVE-100100D is an advanced dual x-ray generator, dual view x-ray system for screening regular luggage, easy to operate, specially designed to meet the needs and applications of airports, customs, public transportation operations, hotels, logistics, carriers, parcel services, government offices, prisons or wherever high security and total screening of a large variety of dimensions required.

The BVE-100100D is a x-ray security inspection system with tunnel size of 1020 mm width by 1015 mm height. It permits the inspection of the luggage from parcels and packages to large cartons without any loss of X-ray image quality.

Operator training courses offered by CETC have an excellent reputation all over the world and they are carried out individually for each customer. BVE-100100D offers all the advantages of CETC technology, including high-quality imaging, the industry's most user friendly operator interface and networking capabilities. The imaging is consistently fast, accurate and efficient screening and detection of weapons, narcotics, explosives and other threats, contrabands.

General Specifications

Tunnel Size:	1020 (W) x 1015 (H) [mm]
Conveyor Height:	Approx. 282 mm
Conveyor Speed:	0.2m/s Option: 0.2 m/s to 0.4 m/s (adjustable with frequency converter)
Max. Conveyor Load:	200 kg
Resolution (wire recognition):	40 AWG

Penetration (steel):	34 mm
X-ray Leakage:	2 μGy/h
Duty Cycle:	100 %
Film Safety:	Guaranteed for ISO1600 (33DIN)

X-ray Generator Anode

Voltage • Cooling:	160 KV (adjustable) • hermetically sealed oil bath
Beam Directions:	1 from top to bottom, 1 from side

Image Generating System

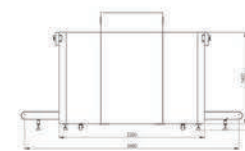
Monitor	19" Flat Panel LED Monitor
X-ray Converter	L-shaped multi-energy high-sensitivity detector line
Grey Level	65536
Image Presentation	B/W, color
Digital Video Memory	1280 x 1024 / 24 bit
Image Evaluation Functions	C-AD, C-TIP, O2, OS, Alarm Function, Review, Fault Self-diagnosis and Maintenance Functions, Image Navigation, System Working Timing, User Management, Emergency Stop, Working Status Display, Zoom up to 64 times, Date & Time Display, High Density Alarm, Image Magnification Display, Luggage Counting, Network Interface, One-key Shutdown, Self-check Power-on, Save and Retrieval, Ultra-thin Scanning, System on& X-Ray Emission Timing, Bi-directional scanning, Image Identification Training, Energy-saving, Free Programmable Keys.

Additional Features

Functions and Options: Printer, UPS, Entry& exit plates, Video monitoring system, Power stabilizer, LED notification bar, Speaker, Voice recorder, Weighter device, Bar-code, etc.

Installation Data

Noise Level:	< 55 dB(A)
Operating / Storage Temperature:	0°C - 45°C / -20°C - 60°C
Humidity:	0% - 90% (non-condensing)
Power Supply:	Standard: 220 VAC (+/-10%) • 50 Hz (+/- 3 Hz)
Power Consumption:	Approx. 1.2 KVA
Dimension • Weight:	3574 (L) x 1620 (W) x 1798 (H) [mm] • approx. 1450 kg
Mechanical Construction:	Steel construction with steel panels, mounted on roller castors, easy to move.



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Product pictures are for general reference



BVE-WD08&WD24

Walkthrough Metal Detector



BVE -WD08



BVE -WD24

Feature Highlights

- High detection sensitivity for the magnetic metal, non-magnetic metal and alloy.
- Self-diagnostic program, power-on self-test, modular structure, multi-language selection, the system automatically wake up
- Having digital pulse technology and stable performance.
- Multiple detecting areas, each area can set sensitivity alone.
- Has high effective sensitivity.
- High-performance monitor display; display function of power-on diagnose.
- Multiple frequency and high anti-interference performance.
- Modular design and can be easily installed or maintained.

Application: Prison Bus/Railway/Metro Station Casino Bank Airport Factory Venue Border Army Critical Infrastructure
Checkpoint Government Office Shopping Mall Customs Cruises

General Specifications

	BVE -WD08	BVE -WD24
Detection Zones	8 detecting area	24 detecting area
Detection Sensitivity	High-brightness LED alarm, Precise positioning the location of hiding contraband.	
Sensitivity Leve	255 levels	300 levels
	Both adjustable for each detecting area	
Frequency Setup	50 optional working frequency	100 optional working frequency
Audible Alarm	20 volume levels adjustable	20 volume levels&16 tones levels adjustable
Display Screen	High brightness LED display screen	Color LCD display, Real-time display interference signa
	Chinese/ English language select menu	
Operation Authorization	Password protection allows only authorized personnel operate	
Throughput	100 people/min	
Counting Function	Intelligent counting function of passenger flow and alarming	
System Operating Mode	IR	Highly integrated DSP digital processing technology
Diagnostic Function	Power-on self-test	
Easy Installation	Integration design and can be assembled and dismantled in 20 minutes	
Safety	No harm to pacemaker wearers, Pregnant woman and magnetic media	

Installation Data

	BVE -WD08	BVE -WD24
Size/Weight	2230mm(L)*820mm(W)*500mm(H)	2230mm(L)*820mm(W)*550mm(H)
Tunnel Size	1990mm(L)*700mm(W)*500mm(H)	2000mm(L)*710mm(W)*500mm(H)
Power Supply	External power adapter, AC100-240V/50-60Hz	
Power consumption	< 15W	
Working Temperature	-20°C~+60°C	

We also have BVE-WD45(33/45 detection zones)and other models for clients' choice.

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BVE -HD20&30&300(HD)

Hand Held Metal Detector



	BVE-HD20	BVE-HD30	BVE-300(HD)
Alarm Mode	Vibration/Audible(sound)/Visual (Light)		
Sensitivity	Could detect coin with ≤ 5 cm; sensitivity level adjustable with adjustment button	Could detect coin with ≤ 6 cm; sensitivity level adjustable with adjustment button	Low sensitivity level, normal sensitivity level, high sensitivity level and super high sensitivity level (could detect single 12# stitching pin)
Power	9V battery; could use charger adaptor (DC charging slot)		battery; could charger adaptor and charging, low-battery display)
Energy-saving	Standby less than 7mA Audible and light less than 47mA, vibration less than 103mA	Standby less than 5.1mA Audible and light less than 20mA, vibration less than 70mA	Auto dormant, power off; will auto dormant within 2 minutes no use, will auto power off within 10 minutes no use; you could wake it up automatically once you press any button or make it close to metal object.
Working time	≥ 40 hours	≥ 40 hours	≥ 100 hours
Working Temperature	-10°C~ 55°C	-10°C~ 55°C	25°C~ 60°C(Humidity: 0~95%)
Dimension	415 mm (L)*85 mm(W)*45 mm(H)	420mm(L)*80mm*(W)*40 mm(H)	360 mm(L) * 82 mm(W)* 34 mm(H)
Weight	356 g	303 g	250 g
Package Box Size	425 mm*100 mm *55 mm		

BVE -HD300&200&EXD001

Explosives& Narcotics Detector

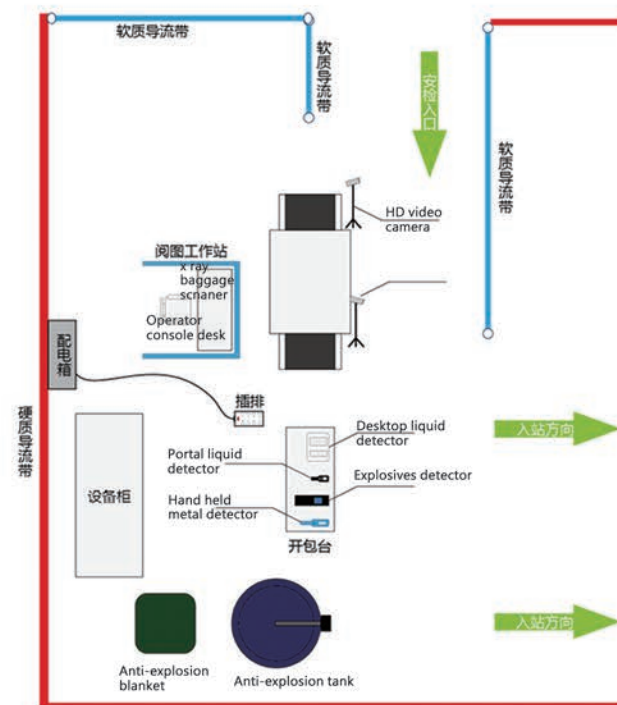


	BVE-HD200	BVE-HD300	BVE-EXD001
Technology	Ion Mobility Spectrometry (IMS)	Fluorescence quenching technology ; No radiation source	Ion Mobility Spectrometry (IMS)
Working Mode	Explosives Only	Explosives Only	Dual mode, both explosives & narcotics
Explosives and Narcotics Detectable	Explosives: TNT, DNT, RDX, NG, PETN, TETRYL, NA, BP, HMX, NT, MNT, TATP · C4, Semtex, DINA, etc.	Explosives: TNT, DNT, RDX, NG, PETN, TETRYL, NA, BP, HMX, NT, MNT, TATP · C4, Semtex etc.	Explosives: TNT, DNT, RDX, NG, PETN, TETRYL, NA, BP, HMX, NT, MNT, TATP · C4, Semtex, DINA, etc. Narcotics: MET, COC, HER, THC, MDMA, K powder, KET, MOP, DOL, LSD, EPH etc. Other samples could be added;
Sensitivity	Ng~ pg level;	1pg Standard TNT; 1ng BP	Ng~ pg;
Warm-up Time	20 minutes; (5 minutes with hot start);	7 seconds;	20 minutes; (5 minutes with hot start);
Analysis Time	2~ 10 seconds;	Less than 5 seconds;	2~ 10 seconds;
Display	Color LCD touch screen;		
Sampling Method	Sniffing and Wiping two methods; (using sniffer device and wiping device)	Sniffing and Wiping two methods;	Sniffing and Wiping two methods; (using sniffer device and wiping device)
Alarm Method	Visual alarm and audio alarm with threat identification and display on the monitor or conceal alarm mode;	LCD display and sound alarm;	Visual alarm and audio alarm with threat identification and display on the monitor or conceal alarm mode;
Calibration Method	Self-calibration or manual calibration	Self-calibration	Self-calibration or manual calibration
Data Transmission Method	USB, RS232	USB	RJ45 · USB
Data Storage	120000 records (2G SD card)	Could store no less than 70000 test recording data;	More than 240000 original data;
Battery	Two rechargeable Li-ion batteries, could work more than 8 hours;	Rechargeable battery, could work more than 8 hours one time charging	Two rechargeable Li-ion batteries, could work more than 8 hours;
Power Supply	AC 110/220V · 50/60HZ; 22.2VDC, lithium ion battery, work more than 4h, stand-by time: ≥8h		
Working temperature	-10°C to 60°C	-10 °C ~ 55 °C	-10 °C ~ 55 °C
Humidity	≤ 95%	5% ~ 95%	≤ 95%
Exterior Size	410mm (L) X 140 mm (W)X 140mm (H)	270mm (L) X 110 mm (W)X 120mm (H)	440mm (L) X 140 mm (W)X 150mm (H)
Weight	Less than 3.36kg (with battery)	LesAbout 1.1 KG (including battery)s than 3.36kg (with battery)	About 3.8 KG (including battery)

Security Solutions



Solution For Regular Entrance Human and Baggage Security Checking



Solution For Ports, Customs

Field Applications



Customs



Ports



World Expo



G20



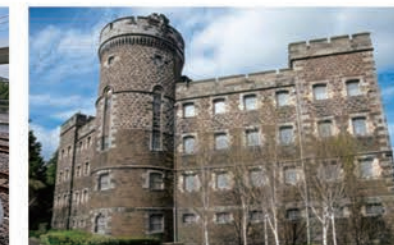
APEC



Olympic Games



Public Transportation



Law Enforcement



Government Offices

INSTALLATION CASES



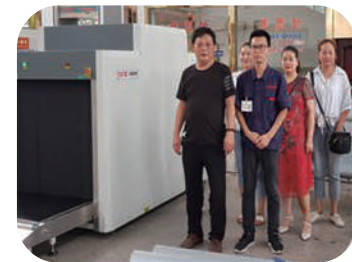
China Armed Police Corps



JiangSu Lianyungang Customs International Shipping Port



Chang Chun Railway Station - Capital of Jilin Province



Public Transportation, Bus Station in Henan Province



Shanghai Railway Station



Government Office Installation



Xi'An Airport Terminal 3



Highspeed way Checkpoint

SERVICE AND CONTACT INFORMATION



We would like to do all kinds of marketing activities to support our worldwide partners. Including but not limited to:

- Participating world exhibition shows;
- Supporting our sole agent build showroom;
- Providing commercial and technical training courses to our local agents;
- etc.



After-sales Service :

With professional after-sales team, we provide all time after-sales support to our end users and distributors.

Welcome to contact us:

Service Hotline: 4008269839 +86-21-50591399

Email: security@vetec.com.cn