vantage
keeping you safe

IMAGING & SCREENING
SECURITY SYSTEM

VP-XR6040D-BSJ8
DUAL VIEW X-RAY BAGGAGE SCANNER

FEATURES

X-Ray generator with Dual X-ray generator technology with high penitration

Dual energy penetration with 7 Colors imaging system supports organic/inorganic discerning & advance material classification

Versatile software with more than 30 image processing functions including auto-inspection of drugs and explosives

Supports real-time storage and retrieval of scanned images

System initiates auto-diagnostic and calibration automatically at power on

Suitable for scanning mid-sized baggage at airports, bus/train/metro stations, borders/immigration security check points
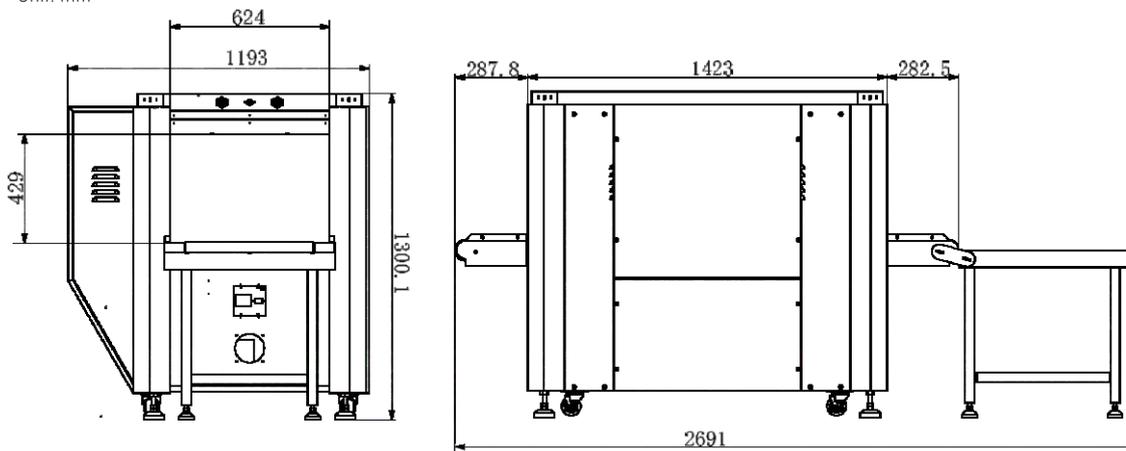
CE FC RoHS

VP-XR6040D-BSJ8

X-ray Generator	Tunnel Size	624(W) ×429(H)mm
	Wire Resolution	40AWG
	Spatial Resolution	Vertical:1.0mm, horizontal:1.0mm(top view)
	Steel Penetration	37 mm steel Typical
	X-Ray Direction	Upward and sideward
	X Ray Generator	160KV x 2
	X Ray Leakage	≤ 0.1 mR/hr(1.0 μSv/hr)
	S/N Ratio	<45dB
	Conveyor Speed	0.23m/s
	Throughput	Up to 200 bags/hour
	Conveyor Height(mm)	750
	Conveyor Max Load	165kg
	Leakage Current	≤0.7mA
	Cooling	Sealed oil cooling with forced air
	Duty Cycle	100%,no warm-up procedure required
	Film Safety	Guarantee ASA/ISO1600 Film
	Storage Capacity	Up to 2,00,000 images
Image Processing System	Operation System	Windows®OS
	Display	34"curved-display, resolution: 3440 x 1440
	Operation Console	Available /optional
	Storage	1TB SSD (standard)
	Keyboard	Keyboard included
	Roller Table	Integrated with tunnel
	X-ray Sensor	L-shaped array
	Color Image Display	24 bit color display
	Edge Enhancement	Supports clear outlining of the object edges
	Image Recall	Supports 30 images recallable
Power & Environmental	Working Temperature	0°C～40°C
	Storage Temperature	-20°C-60°C
	Humidity	Up to 95% Non-Condensing
	Working Voltage	AC220V(±10%) 50/60Hz, 10A Max
	Power Consumption	Max. 500W
Mechanical	Dimensions	1423(L)x1193(W)x1300(H)
	Net Weight	485kg
Certifications	Certifications	CE, FCC,RoHS, FDA

*Exact products and specifications shown may vary by geographic region and are subject to change without notice. Weights and measurements are approximate and may vary.
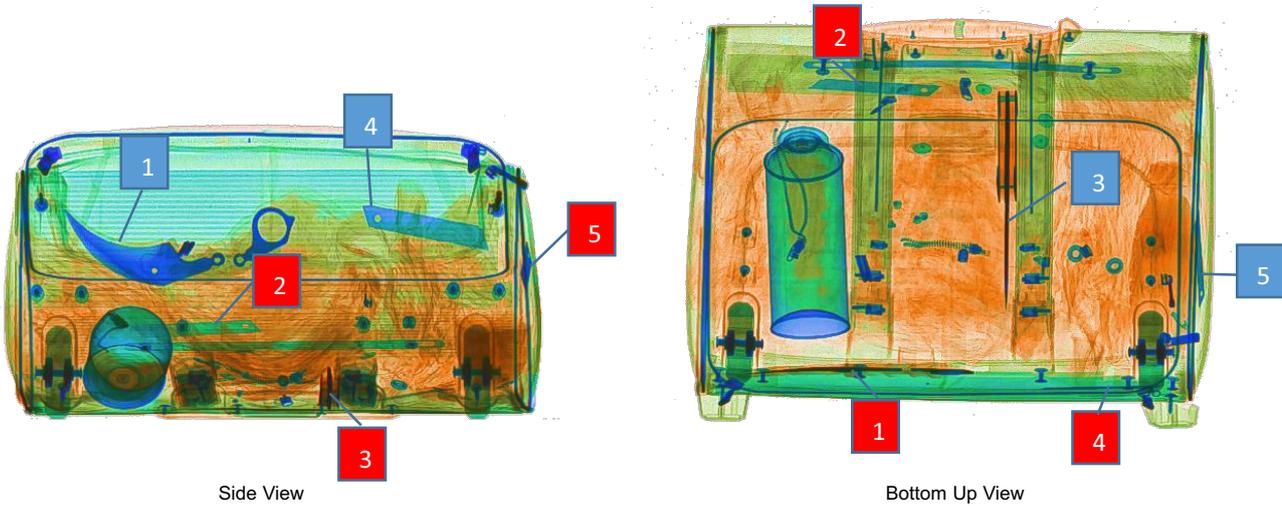
DIMENSIONS

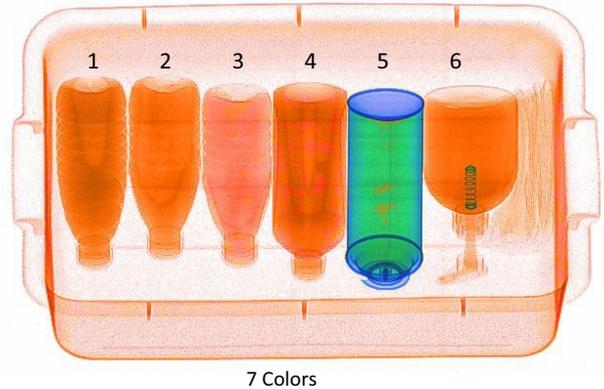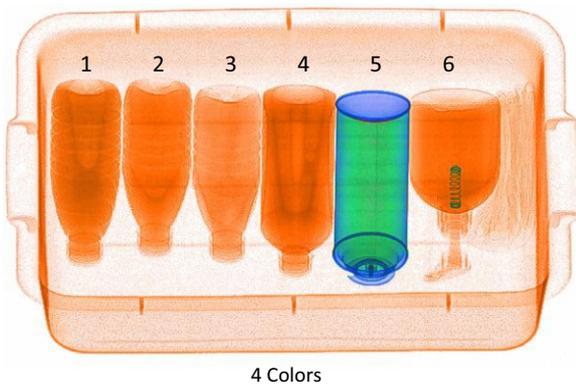Unit: mm

Software Advantages:

DUAL-VIEW TECHNOLOGY

It provides dual-view images from bottom up and sideward, improving the detection rate of the concealed dangerous and illegal objects. Images from the two perspectives complement each other, the screener can see more threats in the side view that can't see in the bottom-up view.

Side View

Bottom Up View

4 & 7-COLOR IMAGING

The innovative 7-color imaging dual-energy technology is an advance material classification system which enables operator to view screened objects in 7 colors, each color correlate to a specific range of atomic number. It colors the 3-Kerosene with RED, hence easier to detect threats.

* 1-Water, 2-Alcohol, 3- Kerosene, 4-Edible Oil, 5-Liquified Natural Gas, 6-Antibacterial Hand Gel

4 Colors

7 Colors

Combine with the Zeff-scan function to auto-highlighting the potential threat of explosive and narcotic (Zeff 7.8.9) on x-ray image in real time during scanning process according to the characteristics range of explosives and narcotics atomic number, which help to identify the suspicious more effectively.

Zeff-scan

Material Type	Atomic No.	4 Colors	7 Colors	Example	Possible Threat
Light Organics	6	Orange	Orange	Polyethylene light hydrocarbons	Natural gas, gasoline, Kerosene
Organics	6-8	Orange	Orange	Timber, oil, alcohol, water	Explosives pure drugs, diamonds
Light Inorganics	8-10	Orange	Yellow	Paper, teflon	Drugs
Inorganics	10-12	Green	Green	Glass	Gems
Nonmetals and Light Metals	12-18	Green	Green	Aluminum,silicon	Gunpowder, detonators
Heavy Metals	18-30	Blue	Blue	Iron, steel, copper, brass,nickel,titanium	Weapons,ammunition knives
Dense Metals	30+	Blue	Violet	Zirconium,tin,bronze	Precious
Impenetrable	-	Black	Black	Lead,bismuth	Hidden threats

■ Software Advantages:

The software is to control the X-RAY baggage scanner as well to acquire and process the X-RAY image with different tools to find the potential threat, all the tools can be controlled by Exclusive Control Panel.

IMAGING PROCESSING TOOLS

- Switchable 4 and 7 Colors 3D Mode
- Inverse Mode
- Gray
- Variable Gamma
- Organics & Inorganic & Mixture Striping
- Plus 6 kinds Pseudo Color Display
- Variable High & Low Penetration
- Log & Exp Trans
- Gaussian Blur& Sharpen
- Super &Partial Enhancement
- High & Low & Fusion Energy
- Density Threshold Alarm(DTA)
- Continuous Zoom(64X)
- Splicing-scan(S-scan)
- Continuous Scan(C-scan)
- Z_{eff}-scan(Z-scan)
- AI Roller(optional)
- Reset Image
- Calibration

AUXILIARY FUNCTIONS

- Bidirectional Scanning
- Recall Historical Image
- Query & Backup & Mark Image
- Print Image
- Baggage Counter
- Day/Time Display
- Multi-language Operation
- Auto Image Archiving
- Storage Type:PNG, JPEG, BMP
- Start-up Self-diagnostics
- Real-time Image Manipulation
- Different Access Level Account
- Network Ready
- Secure Access Key
- Emergence Stop Button
- 0.5 m Roller Table
- Interlock(optional)
- Threat Image Projection(TIP)(optional)
- Operator Training System (OTS)(optional)