

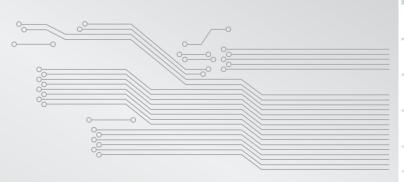


IMAGING & SCREENING SECURITY SYSTEM

VP-XR1800S-BSJ8

ADVANCED THREAT DETECTION X-RAY CARGO SCANNER





FEATURES

Advance X-ray generator technology for efficient screening & security

Single display monitor with 7 Colors image displaying technology for advance material classification

Dual energy penetration system supports organic/inorganic discerning

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

Enhanced imaging software with density alerts and threat material prompts to assist operator

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

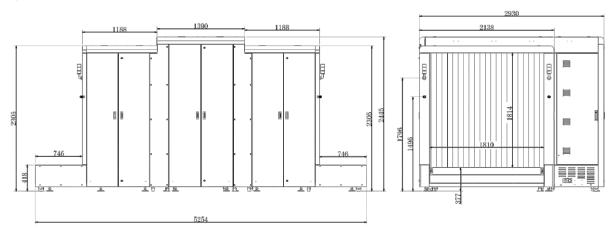
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X-Ray Generator	Tunnel Size	1810(W)x 1814(H)mm	
	Wire Resolution	38 AWG	
	Spatial Resolution	1.0 mm Horizontal, 1.0 mm Vertical	
	Steel Penetration	Typical 50 mm	
	X-Ray Direction	Sideward	
	X- Ray Generator	200kV	
	X-Ray Leakage	≤ 0.1 mR/hr(1.0 µSv/hr)	
	S/N Ratio	<68dB	
	Conveyor Speed	0.23m/s	
	Conveyor Height	380mm	
	Conveyor Max Load	2000kg	
	Leakage Current	1.0mA	
	Cooling	Sealed oil bath with forced air	
	Duty Cycle	100%,no warm-up procedure required	
	Film Safety	Guarantee ISO 1600 (33 DIN)	
	Storage Capacity	Up to 2,000,000 images stored automatically.	
Image Processing System	Operation System	Windows®OS	
	Display	Single 24"LCD display, full HD resolution: 1920x 1080	
	Operation Console	Available /optional	
	Storage	1TB HDD	
	Keyboard	Keyboard included	
	Roller	Integrated with tunnel at entry & exit	
	X-Ray Sensor	L-shaped photodiode array detector (dual energy),24bit depth	
	Color Image Display	24 bit/pixel 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	
	Automatic Voltage Regulator	Supported	
	Power Consumption	Max. 5.2KW	
Mechanical	Dimensions	5254(L) x 2930(W) x 2445(H) mm	
	Net Weight	4300kg	
	iver weight	4300kg	

^{*}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



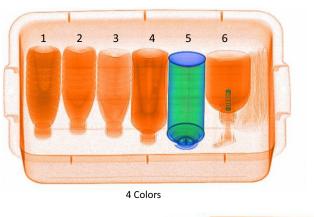
Software Advantages:

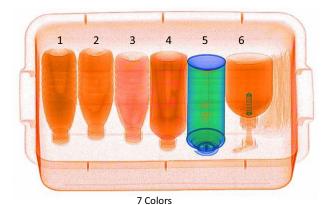
■ 4 & 7-COLOR IMAGING & ASSISTANT EXPLOSIVE AND NARCOTICS DETECTION

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.

Combine with the Zeff-scan function to auto-highlight 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 material more effectively.

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







Zeff-scan

Material Type	Atomic No.	Colors	Colors	Example	Possible Threat
Light Organics	6	Orange	Orange	Polyethylene	Natural gas, gasoline,
				light hydrocarbons	kerosene
Organics	6-8	Orange	Orange	Timber, oil, alcohol,	Explosives
				water	pure drugs, diamonds
Light Inorganics	8-10	Orange	Yellow	Paper, teflon	Drugs
Inorganics	10-12	Green	Green	Glass	Gems
Nonmetals and	12-18	Green	Green	Aluminum,silicon	Gunpowder, detonators
Light Metals	12-18				
Heavy Metals	18-30	Blue	Blue	Iron, steel, copper,	Weapons, ammunition
				brass,nickel,titanium	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 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)
- Zeff-scan(Z-scan)
- Al 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
- Console and Exit Landing Platform
- Interlock(optional)
- Threat Image Projection(TIP)(optional)
- Operator Training System (OTS)(optional)





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