

# IMAGING & SCREENING SECURITY SYSTEM

## VP-XR1010S-BSJ8 X-RAY BAGGAGE SCANNER



### FEATURES

X-ray generator with 7 Colors image displaying technology for advance material classification

Dual display monitors supported for color and black & white representation for scanned images

Dual energy penetration system supports organic/inorganic discerning for efficient security

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

## TECHNICAL SPECIFICATIONS

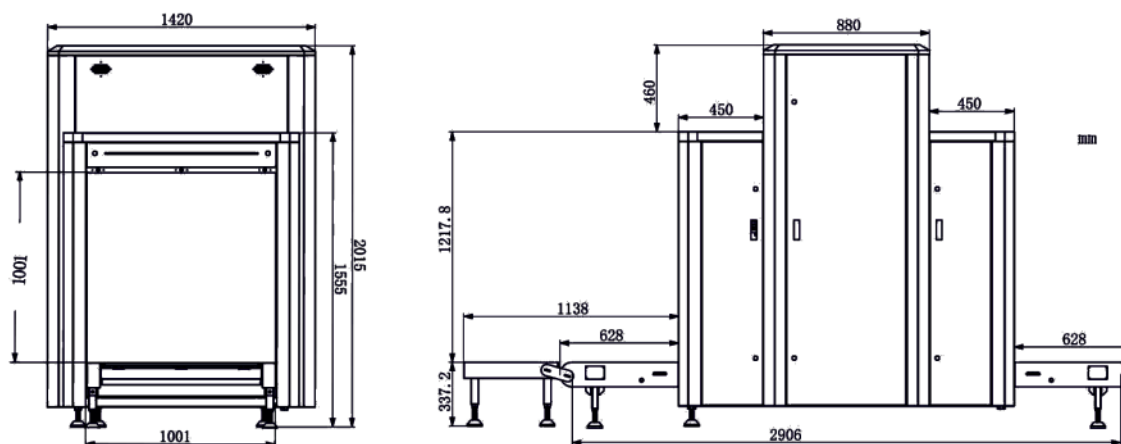
### VP-XR1010S-BSJ8

|                         |                             |  |
|-------------------------|-----------------------------|--|
| X-Ray Generator         | Tunnel Size                 | 1001(W)x 1001(H)mm   |
|                         | Wire Resolution             | 40 AWG   |
|                         | Spatial Resolution          | 1.0 mm Horizontal, 1.0 mm Vertical                           |
|                         | Steel Penetration           | 37mm   |
|                         | X-Ray Direction             | Diagonally Downward  |
|                         | X- Ray Generator            | 180KV  |
|                         | X-Ray Leakage               | ≤ 0.1 mR/hr(1.0 μSv/hr)                                      |
|                         | S/N Ratio                   | <45dB  |
|                         | Conveyor Speed              | 0.23m/s  |
|                         | Conveyor Height             | 380mm  |
|                         | Conveyor Max Load           | 250kg  |
|                         | Leakage Current             | 1.25mA   |
|                         | Cooling                     | Sealed oil cooling   |
|                         | Duty Cycle                  | 100%,no warm-up procedure required                           |
|                         | Film Safety                 | Guarantee ISO 1600 (33 DIN)                                  |
|                         | Storage Capacity            | Up to 2,00,000 images stored automatically.                  |
| Image Processing System | Operation System            | Windows®OS (standard)  |
|                         | Display                     | Dual 24" LCD color, resolution: 1980 x 1080                  |
|                         | Operation Console           | Available /optional  |
|                         | Storage                     | 1TB SSD (standard)   |
|                         | Keyboard                    | Keyboard included  |
|                         | Roller Table                | Integrated with tunnel                                       |
|                         | X-Ray Sensor                | L-shaped photodiode array detector (dual energy),24bit depth |
|                         | 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                                |
|                         | Automatic Voltage Regulator | Supported  |
|                         | Power Consumption           | Max. 800W  |
| Mechanical              | Dimensions                  | 2906(L)x2015(W)x1420(H)mm                                    |
|                         | Net Weight                  | 1020kg   |
| 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

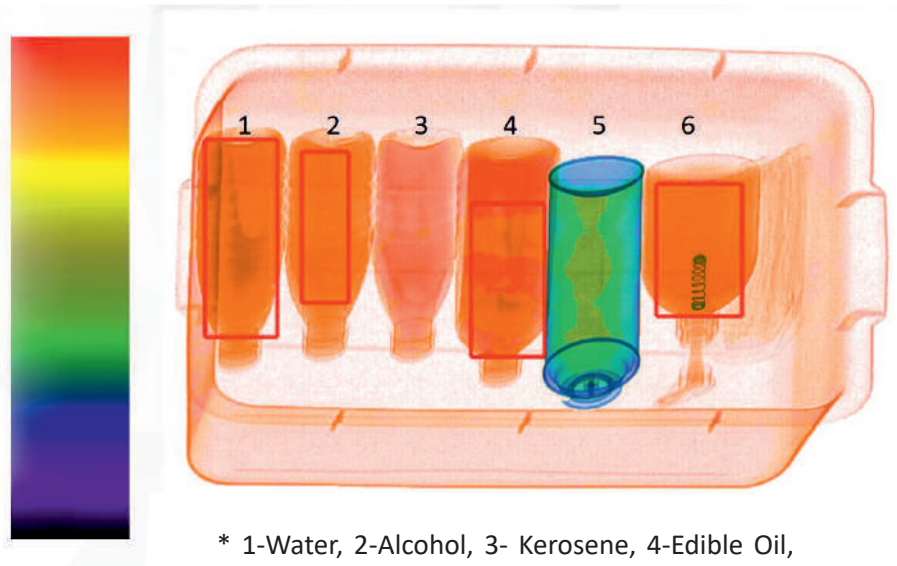


## Software Advantages:

### ■ 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.

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 (Zeff 7.8.9) , which help to identify the suspicious material more effectively.



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

### ■ DUAL-ENERGY CLEAR IMAGING & SPLIT-SCREEN TECHNOLOGY

Dual-energy supports to identify then display the objects concealed in bag in the specific color according to their atomic number, the metallic (guns, bullet, knife) can be seen in blue, the organic (plastic, cloth, currency) can be seen in orange.

It also supports multiple Split-screen and Full-screen options for optimal viewing, operator can customize the color mode of the switchable main screen and auxiliary screen respectively



## ■ 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)
- 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)

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