vantage
**keeping you safe**

# IMAGING & SCREENING
# SECURITY SYSTEM

## VP-XR1000-S16
### X-RAY BAGGAGE SCANNER

## FEATURES

Multi-function image processing-color, black & white, negative, high / low penetration, organic / inorganic stripping, general enhancement, and pseudo color

Secure access key protection

Automatic image archiving with threat alert and material classification

Energy-saving design with one-key shutdown function

Drugs and explosives inspection capability with organic and inorganic material identification and automatic suspicious object marking

On-screen date/time display and baggage counter

Threat Image Projection (TIP) for operator training

Supports Dual-direction scanning

CE FC RoHS

## VP-XR1000-S16

| | | |
|---|---|---|
| **X-Ray Generator** | Tunnel Size | 1006.5 (W) × 1001 (H) mm |
| | Wire Resolution | AWG36 |
| | Penetration Resolution | AWG30 |
| | Penetration | 32 mm steel |
| | Spatial Resolution | Vertical:2.0mm, horizontal:2.0mm |
| | X Ray Generator | 1 x 160 kV |
| | Beam Direction | Downward |
| | Cooling | Sealed oil cooling |
| | Duty Cycle | 100% continuous |
| | Noise Level | ≤60dB |
| | X Ray Dose Per Inspection | ≤ 3.5μSv |
| | Radiation Leakage | ≤1 μGy/h at 5 cm distance |
| **Image Processing System** | X-Ray Sensor | L-shaped photodiode array |
| | Image Processing | 24-bit real-time processing |
| | Operating System | Embedded Linux, multi-core ARM |
| | RAM | 8 GB |
| | Image Recall | 30 images |
| | Optional Feature | Intelligent roller system |
| | Image Archive & Export | Up to 10,000 images with USB export option in JPG format |
| | Gray Levell | 65,536 |
| | Film Safety | Guaranteed for ASA/ISO 1600 film |
| | Operation Console | Console with 21.5-inch LCD Monitor, 1920x1080 resolution |
| | Keyboard | Dedicated control keyboard |
| | Optional Feature | UPS backup: 15 / 30 / 60 minutes |
| | Electric Roller | Three-phase |
| | Color Analysis | 4-color material classification ; images displayed with date and ID number, and baggage counting. |
| | Explosives & Narcotics Detection | Suspicious organics (Zeff 7, 8, 9) |
| | Image Enhancement Functions | 1–32× continuous zoom,Color / Black & White display, Negative imaging, High/low penetration enhancement, Brightening and darkening Gray level scanning, Edge enhancement, Local enhancement, Pseudo-color processing, Organic/inorganic elimination |
| | Suspicious Alarm | Provides alarm and boxed indication for suspicious objects, including high-density materials, explosives, and drugs |
| | Threat Image Projection (TIP) | Inserts realistic, fictional threat items into baggage during screening to maintain vigilance and support training and assessment of image identification skills |
| | Auxiliary Functions | Time/date and baggage counters, user management, system-on/ X-ray-on timers, power-on self-test, built-in diagnostics, dual-direction scanning, scanning, system log, standby mode, and Simulated Training. |

## VP-XR1000-S16

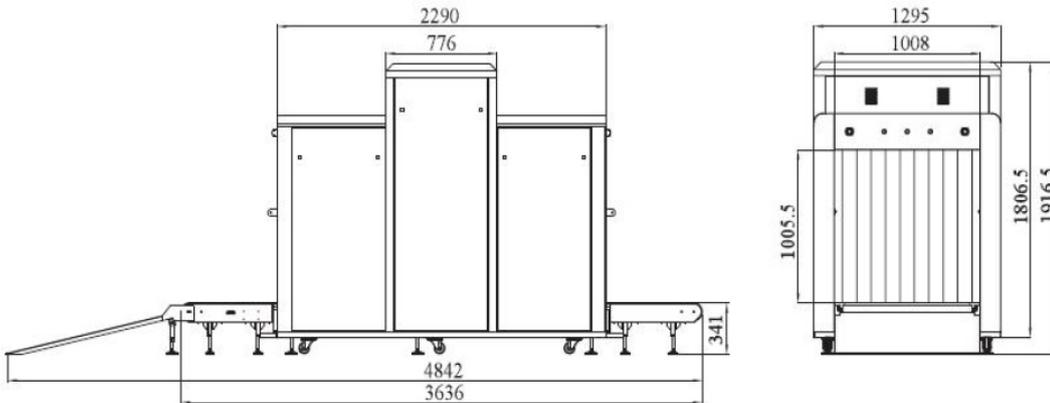| | | |
|---|---|---|
| Mechanical | Conveyor Speed | 0.22 m/s forward or backward |
| | Conveyor Height | 341mm |
| | Load Capacity | 200 kg |
| | Overall Dimensions | 3629(L)x1295(W)x1916(H) mm |
| | Net Weight | 940kg |
| Power & Environmental | Working Temperature /Humidity | 5°C ~ 40°C/ 0%-90%(non-condensing) |
| | Storage Temperature /Humidity | -20°C-60°C /10%-90%(non-condensing) |
| | Working Voltage | 220V(+10% ~ -15%) 50±3Hz |
| | Optional Voltage | 100 / 110 / 120 / 200 VAC |
| | Power Consumption | Max. 1 KW |
| Certifications | Certifications | CE, FCC, ROHS, ISO, 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