

## EI-100100 X-Ray Security Inspection Equipment



### Main Features

- ◆ High-precision X-ray detector, clearer image
- ◆ Using the world leading pure digital massive module transition device, realizing high-speed parallel detection data collection
- ◆ Exquisite exterior design with practical functions, including authority management, real time status display, statistical report and other user-friendly configurations
- ◆ Design for easy installation and transportation. Independent operating station ensures authority to control and monitor during security check.
- ◆ Optional dual monitors display both colored and B/W images, making security check more efficient.
- ◆ Advanced image processing technique realizes more possible image transformation.
- ◆ Standardized module design makes EI-100100 possible for future extension.
- ◆ The new radiation protection technology of EI-100100 makes its radiation leakage reach the world strictest safety standard
- ◆ Penetration, resolution and other key technical data have reached or exceeded the national standard GB15208-2005
- ◆ Ideal for luggage security check in railway system, civil aviation, customs, ports and other places

### EI-100100 X-Ray Security Inspection Equipment

#### Basic Technical Data

- ◆ Tunnel size.....1010 (W) × 1010 (H) mm
- ◆ Conveyor speed.....0.2 m/s
- ◆ Max conveyor load.....200 kg
- ◆ Wire resolution.....0.127mm Diameter tinned copper wire (AWG36)
- ◆ Spatial resolution.....Metal wire pair of 1.6mm diameter
- ◆ Penetration.....≥30mm Steel Plate
- ◆ Film safety.....Safe for film up to High speed ASA/ISO 1600 (33DIN) film
- ◆ Leakage.....<2μGy/h
- ◆ Beam direction.....From Top
- ◆ Tube voltage.....160 KV
- ◆ Cooling / Duty cycle.....Sealed oil cooling 100%
- ◆ Detection sensor..... Multi-energy L-shaped Photodiode array
- ◆ Image max resolution .....1280×1024
- ◆ Image processing .....24 bit real time processing
- ◆ Image grey level.....4096 level

#### Image Processing

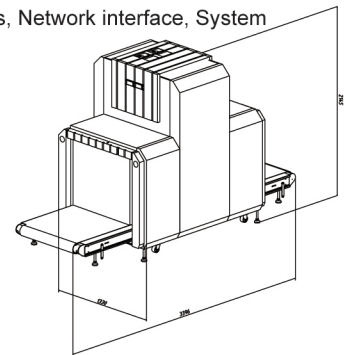
- ◆ Image display mode.....Black & white / Color/ Multi-energy
- ◆ Image transformation.....Edge Enhancement; Negative/positive image; Partial enhancement; Grey level scanning; Organic/Inorganic compound stripping; Image restoration
- ◆ Image zooming.....1-9 image zones, 2-16 times enlargement in any selected zone; Whole and partial image 2 4 8 16 times enlargement. Plus a magnifying glass function
- ◆ Image storage.....20000 pictures storage in real time
- ◆ Image recall.....Review the previous 20 images
- ◆ Additional functions.....Date & time display, Operation status display, Image navigation, Operator management, Test object counting, Emergent pause, Automatic self-diagnosis, Network interface, System on and X-ray emission time counter

#### Installation Data

- ◆ Operation temperature/humidity.....0℃~45℃ / 20%~95% (Non-condensing)
- ◆ Storage temperature/humidity.....-40℃~60℃ / 20%~95% (Non-condensing)
- ◆ Power.....220VAC (+10%~-15%) 50±3Hz
- ◆ Power consumption.....Approx. 0.51kVA

#### Safety Standard

- ◆ Penetration, resolution and other key technical data have reached or exceeded the national standard GB15208-2005、MH7011-2003



Information Bar



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