

# SG 10080 C X-RAY INSPECTION SYSTEM



Independent intellectual property rights software inside to ensure smooth operation  
Excellent image presentation through 22 optimized imaging processing tools  
Different Access Modes in software, can open unlimited sub-account with hierarchial permissions  
Embedded with Wireless LAN, can do remote technical support at any time  
Rugged roller conveyor for loads up to 250 kg when evenly distributed

## X-RAY INSPECTION SYSTEM APPLICATIONS

Smartguard SG10080 C is advanced large size X-ray Inspection System with low conveyor height of 37 cm(14.6") and with tunnel opening of 100.5 cm x 80 cm, ideal for using at public area for large scale items, such as checkpoint, airport, subway station, railway station, customs, logistics, port, warehouse, factory and more. 10080 is a great choice for large venue and support bi-directional operation

Smartguard SG10080 c is equipped with a 140 kV generator, known for high definition x-ray images to make it easy for operators to identify the potential threats quickly. Humanized standard configurations, including stainless steel landing at exit to make the heavy package sliding down to ground easily, and removable supervisor monitor platform, protects LCD monitor and provides more convenient working environment for operator.

## INTERNATIONAL COMPONENTS

For all our x ray baggage scanners  
> UK Sens - Tech Detector Boards  
> Japan HAMAMATSU Detector Head  
> USA SEAPARKS Roller  
> SEAGATE Hard Drive Disk

## SMART SOFTWARE SYSTEM

R&D software supports a reliable platform for the future upgrades & system management, including different access modes with hierarchial permissions, customized density & size alert, imaging fast query, USB backup, remark and display ratio, freely switch the multiple languages

## ■ General Specification

- Tunnel Size : 1005 x 800 mm
- Conveyer Speed : 0.22m/s
- Conveyer Load : 250 kg
- Penetration : 32-34mm steel
- Resolution : 38 AWG
- Film safety : Guarantee ISO 1600 Film
- X-ray leakage : <0.1mR/h (1.0 $\mu$  Sv/h)

## ■ Installation Data

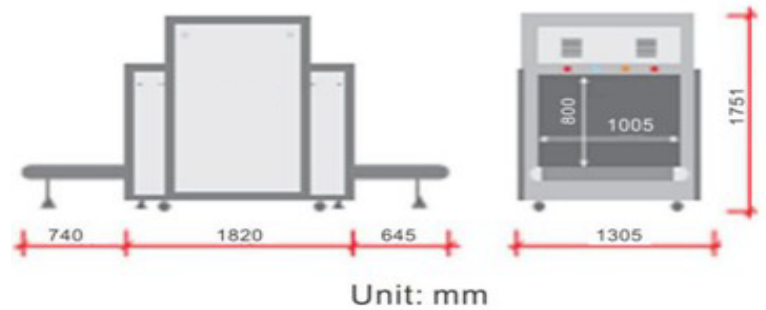
- Operation / Storage Temperature: 0°C~ 45°C/  
-20°C~+60°C
- Humidity: 20%~98% non-condensing
- Power consumption: 0.8 kw (Max)
- Power supply: 100-240VAC+10%/  
-15% selectable 50/60Hz $\pm$ 3 Hz
- Sound supply: <58 Db
- N.W/G.W.: 1000 kg / 1023.5 kg= 2021.6 Ibs/  
2256.4 Ibs
- Dimensions :3205(L)x1305(W)x1751.5mm(H)
- 126.2" x 51.4" x 69.0"

## ■ X-Ray Generator and Image Performance

- Anode voltage: 140 kV
- Cooling : Oil Cooling 100%
- Beam direction : 80°
- X-ray converter: L-Shaped Photodiode Array
- Grey Level : 6535
- Image penetration: B/W, color
- Monitor: 21.5" LCD

## ■ Compliance

- CE complicant
- Directive 2004/108/EC Electromagnetic
- Directive 2006/42/EC Machinery
- Directive 2006/95/EC Low Voltage
- RoHS: EN62321:2008
- Film Safety: ISO 1600
- Radiation Safety Certificate
- ISO 9001 Quality Management System
- ISO 14001 Environment Management System
- OHSAS 18001 Occupational Health Management System



## ■ Standard Features

- Multi-energy Imaging (4 color)
- 21.5" LCD Display with Standard PC Keyboard
- View Previous / Next Bag
- Image Archive
- Baggage Counter
- Date/Time, Model Display
- Adjustable Zoom Preview Window
- TIP (Threat Image Project)
- Support Multiple Language
- High Definition Image
- Auto High Density Alarm
- Image Management
- Dynamic Processing
- Green Lead Curtain
- Network Interface and Wireless LAN
- Shutdown with One Key
- Self-diagnose
- 0.7 m Tunnel Extension Table
- Intelligent Roller (Optional)
- Supervisor Double/Single Monitor Platform (Optional)
- UPS (Uninterrupted Power Supply) (Optional)

## ■ 16 Standard Imaging Processing Tools

- Organics & Inorganic & Mixture Striping
- Color & Gray
- High & Low Gray Enhance
- Log & Exp Trans
- Gaussian Blur
- Sharpen
- Super Enhancement
- High & Low Energy
- Reverse
- Fusion
- Plus 6 kinds Pseudo Color Display

**SmartGuard®**

• Smarguard is brand of Polimek •