

Product Model :

SG 6040 C X-RAY BAGGAGE SCANNER

Application

Polimek systems state-of-the-art high-performance X-ray baggage scanner, solutions, and the services perfectly meet the most demanding potential threat inspection needs at border crossings, railway stations, shopping malls, hotels, government and military installations and high-risk facilities all over the world. It is the ideal for the small footprint sites.

Exclusive
Spectrum
7-color
Imaging
Technology

Multiple
Split-Screen
and Full-Screen
for Optimal
Viewing

Auxiliary
Explosives and
Narcotics
Detection
Tools

More Than
30 Versatile
Image
Processing
Functions

Intuitive
Software User
Interface
Design

Unique
Neoteric
Double
Symmetrical
Swing Door

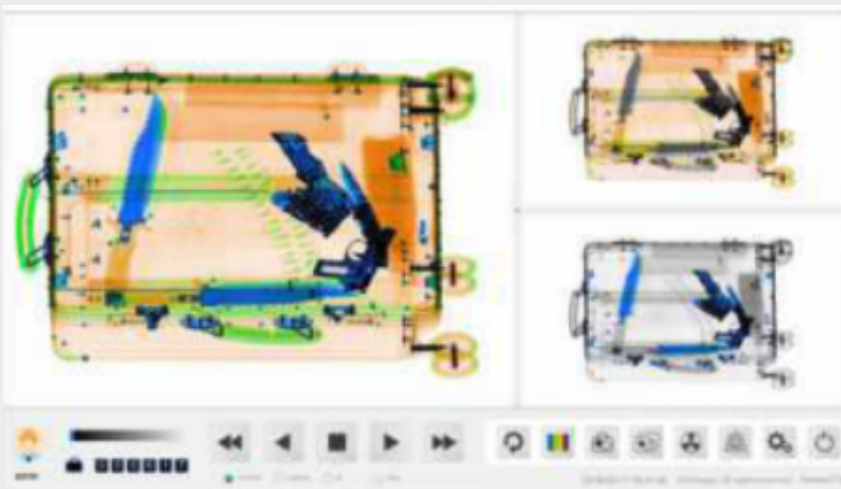


Key Advantages

4 And 7-Color Imaging & Assisted Explosives And Narcotics Detection

The HP-SG6040C features an innovative design with advanced and exclusive Polimek 7-color Imaging technology enables operator to view screened objects in 7 colors, each color correlate to a specific range of atomic number.

Combine with the AEND function to auto-highlighting the potential threat of explosive and narcotic (liquid or solid) 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 item more effectively.



Dual- Energy Clear Imaging & Split-Screen Technology

Dual-energy supports to identify then display the objects concealed in bags in the specific color according to their atomic number, the metallics (guns, bullets, knives) can be blue, the organic (plastic, cloth, currency) can be orange.

Polimek scanning screen 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.

Versatile Software With 30 Imaging Processing Tools

- With over 30 imaging processing tools and detection alert algorithm functions;
- Multiple access level account with different operation privileges according to the status hierarchy;
- Backed by a team of rich experts, support customized function modules according to clients' requirements;

Humanized Structure With High Protection Level

- Lead-lined rigid-steel structure and double layer lead-lined curtain to block x-ray dose;
- Equipped with double symmetrical swing door at its both sides for convenient repair and maintenance;
- Provided with system energized, X-ray on indicators and emergency stop buttons at both ends of X-ray tunnel;
- 4 high-strength castor wheels at its base for ease of maneuverability, enable operator to move the scanner easily;
- Offer adjustable wear-resistant foot cups to achieve stability and security during use;
- The shift knob and key switch are securely located on top of the scanner, one-key start and shutdown anytime.

Software Advantages

The Polimek 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 Polimek Exclusive Control Panel.

Imaging Processing Tools

- Switchable 4 and 7 Colors Mode.
- Inverse Mode.
- Grayscale Mode.
- Variable Gamma
- Organics & Inorganic & Mixture Striping
- Six Pseudo Color Display Modes.
- Variable High& Low Penetration
- Log & Exp Trans
- Gaussian Blur& Sharpen
- Super &Partial Enhancement
- High & Low & Fusion Energy
- Density Threshold Alarm(DTA)
- Continuous Zoom(64X)
- 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
- Real-time Self-diagnostics
- Real-time Image Manipulation
- Different Access Level Account
- Network Ready
- Secure Access Key
- Emergence Stop Button
- 0.7 m Standard Extension Table
- Interlock(optional)
- Threat Image Projection(TIP)
(optional)

Technical Advantages

General Specification

- Tunnel Size: 630(W) x 425(H)mm [24.8x16.7 in.]
- Belt Speed: 0.23m/s (45ft/min) Forward
- Conveyor Load: 165 kg(363 lb) Evenly Distributed
- Conveyor Height: 710mm (27.95 in.)
- Noise: <45DB

Working Environment

- Operating Temperature: $0^{\circ}\text{C} - 40^{\circ}\text{C}$ $\setminus\text{setminus} 32^{\circ}\text{F} - 104^{\circ}\text{F}$
- Storage Temperature: $-20^{\circ}\text{C} - 60^{\circ}\text{C}$ $\setminus\text{setminus} -4^{\circ}\text{F} - 140^{\circ}\text{F}$
- Humidity: Up to 95% Non-Condensing
- Power Requirements: 220VAC $\pm$ 10%, 50/60Hz, 10A Max

X-ray Generator

- Voltage: 140kV
- Wire Detectability: 38 AWG
- Spatial Resolution: 1.0 mm Horizontal, 1.0 mm Vertical
- Steel Penetration: 35 mm steel Typical
- Tube Current: 0.7 mA
- Cooling: Sealed Oil Bath with Forced Air
- Duty Cycle: 100%, No Warm-Up Procedure Required
- Beam Direction: Diagonally Upward
- Detector: 1024 Channels in an L-Shaped Array
- Dual-energy: Yes
- Generate Angel: 60°

Computer

- Processor: Intel® N3150
- Memory: 4 GB RAM
- Storage: 250 SSD (standard)
- Platform: Windows®OS
- Display Type: Single 21.5" LCD Color Monitors
- Display Resolution: 1280 x 1024; 24 bit/Pixel Color
- Image Archiving: 2,00,000 images

Health And Safety

- Compliant with National Radiation Safety Standards for Cabinet X-Ray Systems.
- Typical Radiation leakage is less than 0.1 mR/hr (1.0 $\mu\text{Sv/hr}$)
- Film Safety: Guarantee ISO 1600 (33 DIN)

Optional Functions

Polimek Exclusive Control Panel

All software commands integrated into shortcuts of this keyboard, realize one key control more than 2 functions, make the operation more convenient and fast



Part#: SE-XR001

21.5" LCD Touch Screen

21.5 inch large-size screen monitor, getabroader vision, easier and faster operation. Resolution: 1920x1080



Part#: SE-XR002

Built-in Multi-Angle Cameras (3+3)

6 built-in cameras in the protective covers
Respectively, 3 on each side, one for baggage, one for passenger,
Other for environment monitoring.
Support data tracing via mobile phone.
(PS: need one more monitor to display monitoring screen.)



Part#: SE-XR003

Supervisor Monitor Platform

Operator working station to put the monitor and keyboard. Equipped with wheels for quick portability.



Part#: SE-XR004

Protection Cover

The covers are embedded with lead and
Equipped with extra double lead curtain
to obstruct X-ray leakage from gaps
between first lead curtains, realize 0
x ray leakage, mounting on both exit
and entrance tunnels.



Part#: SE-XR005

Optional Functions

Intelligentized (AI) Roller

Belt rolling only when the IR be triggered, or it remains static, which is energy-saving and helps to extend machine lifetime.



Part#: SE-XR006

Superior Roller Tables

The rollerbeds are all made of 304# superior stainless steel, mounted on both the exit and entrance platform to transmit the baggage easily. Adjust freely according to the height of machine. Length: 0.5 m increment



Part#: SE-XR007

Voltage Stabilizier

Filters out the unstable current voltage crest value, stable output with rated current voltage, to protect device.



Part#: SE-XR008

Uninterrupted Power Supply

For Computer : 20 min For Machine : 2 hours For Data protection when electricity cut off.



Part#: SE-XR009

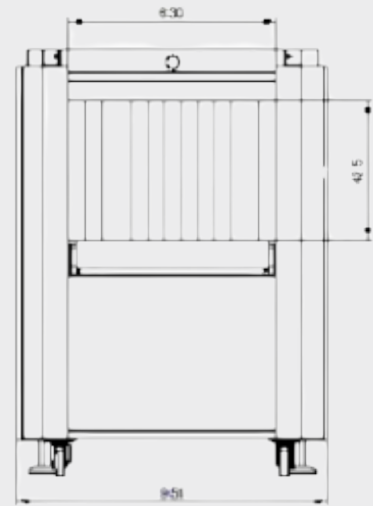
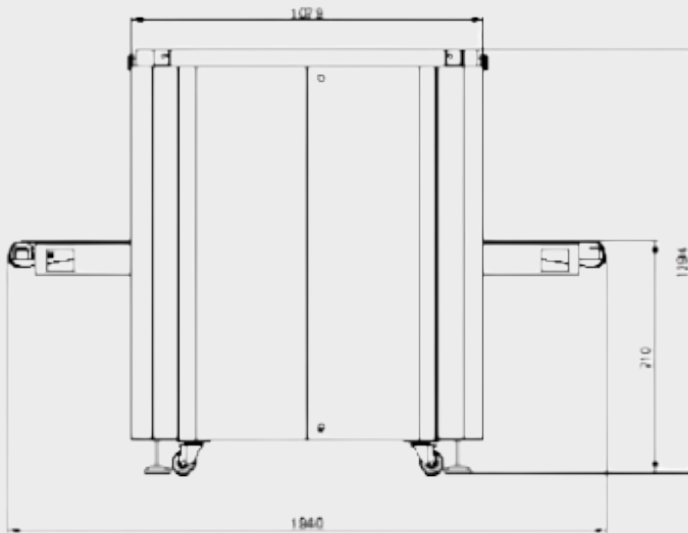
Warranty and Service

Warranty

2 years warranty, 1 year spare parts in free after delivery(Non-artificial damage);
Replacement parts at Polimek's expense;
Shipment and labor costs at Buyer's expense;
An extended warranty is available;
The warranty shall take effect seven days after receipt of the goods.

Service

Free Factory Training, included technical training, operator training;
Remote Control, all Polimek System embedded with Wireless LAN, can remote support any time;
On-site Support,the engineer is allowed to send oversea to give professional technical support;
24-hours Online Service, technical personnel will be assigned to solve your problem immediately after
receiving telephone and hear feedback idea of users and deal with them in time;
Support OEM service.



* Dimensions are in centimeters.

SmartGuard®

Smartguard is brand of Polimek