

HI-SCAN 6040C

Heimann X-ray technology

Feature Highlights

- High reliability
- Best-in-class image quality
- Easy to Operate
- Future-proof electronics and software
- High-End processor technology
- HI-MAT Plus advanced material classification
- High Image Resolution
- 24-bit real time image processing
- Free programmable priority keys
- Powerful 160kV generator for steel penetration up to 37 mm



Make your building a more secure place by keeping threats out and people safe. The **HI-SCAN 6040C** is an ideal system to secure entrance areas and screen bags, parcels and other objects for prohibited and dangerous items.

The **HI-SCAN 6040C** generates highly detailed, easily interpreted X-ray images, a key strength of Smiths Detection. Intelligent image display functions support the operator in rapid and reliable distinction of organic and inorganic threats. With a new optimized background contrast function, the ability to recognize objects on the screen is enhanced significantly.

The **HI-SCAN 6040C** also offers a number of features that provide real-time diagnostics on its operating status, ensuring easy handling and accelerated troubleshooting for operators and technicians.

The completely new Hi-TraX 3 electronics and software provide a reliable platform for future upgrades to meet changing security requirements.

Technical Information HI-SCAN 6040C

General Specifications

- Tunnel Dimensions 620 (W) x 420 (H) [mm] • 24.4" (W) x 16.5" (H)
- Max. Object Size 615 (W) x 410 (H) [mm] • 24.2" (W) x 16.1" (H)
- Conveyor Height ¹⁾ approx. 800 mm (31.5")
- Conveyor Speed at Mains Frequency 50 Hz / 60 Hz standard: 0.2 / 0.24 [m/s]
- Max. Conveyor Load evenly distributed over the whole conveyor ²⁾ 165 kg (352 lbs)
- Resolution (wire detectability) ³⁾ standard: 39 AWG (0.09 mm Cu) • typical: 40 AWG (0.08 mm Cu)
- Penetration (steel) ³⁾ standard: 35 mm • typical: 37 mm
- External Dose <1.0 µSv/h (0.1 mrem)
- Film Safety Guaranteed up to ISO 1600 (33 DIN)
- Duty Cycle 100%, no warm-up procedure required

X-ray Generator

- Anode Voltage • Cooling 160 kV cp • hermetically sealed oil bath
- Beam Direction diagonal

Image Generating System

- X-ray Converter L-shaped detector line
- Grey Levels Stored 4096
- Image Presentation B/W, color
- Digital Video Memory 1280 x 1024 / 24 bit
- Image Evaluation Functions VARI-MAT, O² Plus, OS Plus, HIGH, Organic Enhancement, HI-SPOT, SEN, XPlore, HAD, Opti-Zoom, electronic zoom: stepless enlargement up to 256x and scaling down up to 8x, Optimized Background Contrast Mode
- Monitor Flat Panel LCD Monitor

Additional Features

- Features display of date/time, software counters for: objects, alarms, operating hours, X-ray On hours, user ID-number, luggage marking system (acoustic), display of operating mode, REVIEW-feature of last 8 images, programmable priority keys, standard network interface, Automatic return mode, USB 3.0 interface, Printer support, IMS (Image Store System—stores up to 20,000 images), Two Interlock Switches
- System Diagnostic Features Power-on Self-Test (POST), Real-time Background Diagnosis (RBD), Real-time System Feedback (RSF)
- Options X-ACT, HI-TIP, SD Training Software, Extended Image Storage of 500,000 images (HDD), Full Reverse Mode
- Accessories Keyboard holder, Passive In-/Output Roller conveyors, 23" Monitor, Tunnel extensions, Monitor Theft Protection, Mobile Heavy Duty Rollers, Various Test Bags and Cases

Installation Data

- X-ray Leakage meets all applicable laws and regulations with respect to X-ray emitting devices
- CE-Labeling in compliance with directives 2004/108/EC, 2006/42/EC, 2006/95/EC
- Sound Pressure Level < 65 dB(A)
- Operating / Storage Temperature 32°F - 104°F / -4°F - 140°F (0° - 40°C / -20°C - +60°C)
- Humidity 5% - 95% (non-condensing)
- Power Supply 220 - 240 VAC or 110 - 120 VAC + 10% / -15% • 50 Hz / 60 Hz ± 3 Hz
- Power Consumption approx. 0.8 kVA
- Protection Class System IP 20 / IP 43
- Dimensions • Weight ⁴⁾ 2004 (L) x 850 (W) x 1395 (H) [mm] • approx. 460 kg
78.9" (L) x 33.5" (B) x 54.91" (H) • approx. 1014 lbs
- Mechanical Construction steel construction with steel panels, mounted on roller castors
standard color(s): Silver matt / RAL BI 11/W1 F12

¹⁾ approx. values (adjustable)

²⁾ measured at ambient temperature of 20° and 230V/120V nominal voltage

³⁾ proprietary quality management test piece: steel step wedge, CU wires, belt speed 0.2 m/s

⁴⁾ without control desk, keyboard, monitor(s) etc.