

HI-SCAN 6040i

Heimann X-ray technology

Feature Highlights

- High-End processor technology
- High-Speed digital signal transmission
- HI-MAT Plus advanced material classification
- High image resolution
- 24 Bit real time image processing
- New ergonomic user interface
- Free programmable priority keys
- Increases throughput at security checkpoints
- Powerful 140kV generator for steel penetration up to 31 mm
- Integrates with iLane checkpoint designs
- **Optional:** TIM upgrade for liquids detection



The **HI-SCAN 6040i** is an ideal entry-level X-ray unit for screening of personal belongings and cabin baggage at Aviation Checkpoints and Critical Infrastructure. It is easy to operate and provides increased throughput for Security Checkpoints. Its powerful 140kV generator offers steel penetration up to 31 mm and its material discrimination technology ensures reliable image analysis.

The **HI-SCAN 6040i** is the most successful X-ray inspection system in its class, with more than 12,000 installations worldwide.

Innovative technique and a high degree of reliability, make this system an excellent tool for covering sensitive fields of inspection. The equipment offers the operating personnel optimum support in making decisions and reduces inspection times considerably.

Technical Information HI-SCAN 6040i

General Specifications

- Tunnel Dimensions 620 (W) x 418 (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. 694 mm (27.3")
- Conveyor Speed at Mains Frequency 50 Hz / 60 Hz standard: 0.2 / 0.24 [m/s]
- Max. Conveyor Load (evenly distributed) 160 kg (352 lbs)
- Resolution (wire detectability) ²⁾ standard: 39 AWG (0.09 mm) • typical: 40 AWG (0.08 mm)
- Penetration (steel) ²⁾ standard: 30 mm • typical: 31 mm
- X-ray Dose (typical) standard: 0.7 µSv (0.07 mrem) • with HI-MAT: 1.4 µSv (0.14 mrem)
- Film Safety Guaranteed up to ISO 1600 (33 DIN)
- Duty Cycle 100%, no warm-up procedure required

X-ray Generator

- Anode Voltage • Cooling 140 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, OS, HIGH, electronic zoom: stepless enlargement up to 64-times
- Monitor Flat Panel LCD Monitor

Additional Features

- Functions fading-in of date/time, luggage counter, user-id number, luggage marking system (acoustic), display of operating mode, Review-feature (to recall previously visible image areas), zoom overview, free programmable keys, USB 2.0 interface, stepless zoom
- Options X-ACT, HI-TIP, HI-SPOT, SEN, XPIore, IMS (Image Store System - stores up to 100,000 images), Xport, Media Bay for RIDA (250 GB), CD/RW module

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 < 70 dB(A)
- Operating / Storage Temperature 32°F - 104°F / -4°F - 140°F (0° - 40°C / -20°C - +60°C)
- Humidity 10% - 90% (non-condensing)
- Power Supply ³⁾ standard: 230 VAC or 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 1284 (H) [mm] • approx. 400 kg
78.9" (L) x 33.5" (B) x 50.6" (H) • approx. 881.9 lbs
- Mechanical Construction steel construction with steel panels, mounted on roller castors
standard color(s): RAL 7016 (dark gray) / B11-W1 (blue)

¹⁾ approx. values (adjustable)

²⁾ proprietary quality management test piece: steel step wedge, CU wires, belt speed 0.2 m/s

³⁾ different values optional

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

