

HI-SCAN™ 6040eX

HEIMANN X-RAY TECHNOLOGY



Feature Highlights

- **Dual-energy technology**
- **Up to 37 mm steel penetration**
- **Wire detectability up to AWG 40**
- **Operator friendly interface**
- **Fits through door width of 900 mm (35.5") for easy installation**
- **Integrates into Modular Checkpoint Concepts**

The HI-SCAN 6040eX is an upgrade of our proven HI-SCAN 6040i, the biggest selling X-ray inspection system with more than 12.000 installations worldwide. With high-penetration X-ray generator and superior image quality, the system provides an outstanding steel penetration of 37 mm and resolution up to 40 AWG. The HI-SCAN 6040eX offers the same benefits as the HI-SCAN 6040i with its reliable system performance, high throughput and compact footprint.

With a tunnel opening of 620 mm (24.4") wide by 418 mm (16.5") high, the HI-SCAN 6040eX provides fast throughput at security checkpoints for screening of bags, packages, jackets and other personal belongings.

Proven Heimann dual-energy X-ray technology with material discrimination assists operators with the detection of dangerous and illegal objects. Its friendly user interface makes it easy to operate and ensures fast and reliable security X-ray inspection processes. Due to its compact width, the HI-SCAN 6040eX will fit through 900 mm (35.5") doorways, to avoid installation disruptions. The HI-SCAN 6040eX is suitable for security screening in airports, business applications, government buildings, courthouses, banks and other Critical Infrastructure applications.

Technical Data **HI-SCAN 6040eX**

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	approx. 0.2 / 0.24 [m/s]
50 Hz / 60 Hz	
max. conveyor load even distributed over the whole conveyor	165 kg (364 lbs)
Resolution (wire detectability) ²⁾	standard: 39 AWG (0.09 mm) • typical: 40 AWG (0.08 mm)
Penetration (steel) ²⁾	standard: 35 mm • typical: 37 mm
X-ray dose / inspection (typical)	2.3 µSv (0.23 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, OS, HIGH, electronic zoom: stepless enlargement up to 64-times
Monitor	Flat Panel LCD Monitor

Additional Features

Features	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, XPlore, IMS (Image Management System - stores up to 100.000 images), Xport, Media Bay for RIDA (250 GB)

Installation Data

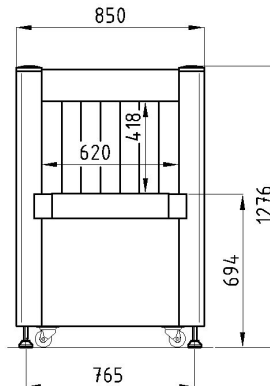
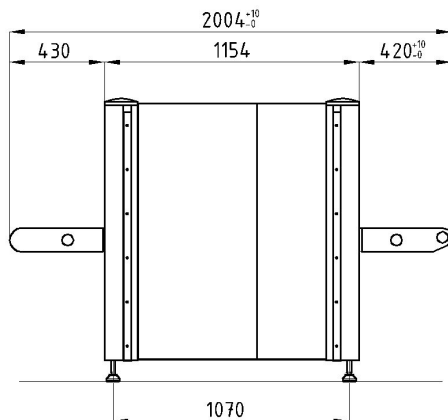
X-ray leakage	meets all applicable laws and regulations with respect to X-ray emitting devices.
CE-labelling	in compliance with directives 2004/108/EC, 2006/42/EC, 2006/95/EC
Sound pressure level	< 70 dB(A)
Operating- / storage temperature	0° - 40°C / -20°C - +60°C
Humidity	10% - 90% (non-condensing)
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 / keyboard	IP 20 / IP 43
Dimensions • Weight ⁴⁾	2004 (L) x 850 (W) x 1284 (H) [mm] • approx. 450 kg 78.9" (L) x 33.5" (W) x 50.6" (H) • approx. 992.1 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.



For product information, sales or service, please go to www.smithsdetection.com/locations

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