

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

The HI-SCAN 6040i is a newly designed, compact X-ray inspection system with a tunnel opening of 620 mm (24") wide by 418 mm (16.5") high. This tunnel size is ideally suitable for cabin baggage and other small items in areas with increasing security demands.

The HI-SCAN 6040i is part of the new iLane system concept, which offers various possibilities of extension due to a modular, flexible system design.

Online image analysis methods to support the operator's work, and a new man-machine interface configured according to ergonomic aspects, are pointing the way to the future for this kind of system.

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.

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 ⁵⁾	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
External dose rate	≤ 2 µSv/h (0,2 mrem)
Film safety	Guaranteed even for high speed films 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, O ² , OS, HIGH, HI-SPOT, SEN, XPlore, Opti-Zoom, HDA
Monitor	electronic zoom: stepless enlargement up to 64-times 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, IMS (Image Store System - stores up to 100,000 images)
Options	X-ACT, HI-TIP, Xport

Installation Data

X-ray leakage	meets all applicable laws and regulations with respect to X-ray emitting devices
CE-labelling	in compliance with directives 2006/42/EC, 2014/35/EU, 2014/30/EU
Sound pressure level	< 70 dB(A)
Operating- / storage temperature	0° - 40°C / -20°C - +60°C
Humidity	5% - 95% (non-condensing)
Power supply ³⁾	standard: 230 VAC or 110 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. 400 kg 78.9" (L) x 33.5" (W) x 50.6" (H) • approx. 881.9 lbs
Mechanical construction	Steel construction with aluminum panels standard color(s): RAL 7016 / stainless steel

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.

⁵⁾ measured at ambient temperature of 20°C and nominal voltage



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

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