

## 1-800-476-1607

## 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

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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	5]
•	Max. Conveyor Load evenly distributed over the whole conveyor <sup>2)</sup>	165 kg (352 lbs)	
•	Resolution (wire detectability) <sup>3)</sup>	standard: 39 AWG (0.09	9 mm Cu) ● typical: 40 AWG (0.08 mm Cu)
•	Penetration (steel) <sup>3)</sup>	standard: 35 mm • typic	cal: 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 proc	edure required
X-ray Generator			
•	Anode Voltage   Cooling	160 kV cp ● hermeticall	y 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		<sup>Plus</sup> , HIGH, Organic Enhancement, HI-SPOT, SEN, XPlore, HAD,
-			pom: stepless enlargement up to 256x and scaling down up to
•	Monitor	Flat Panel LCD Monitor	
Additional Features			
•	Features	display of date/time, so	ftware counters for: objects, alarms, operating hours, X-ray On
		hours, user ID-number, REVIEW-feature of last face, Automatic return n	luggage marking system (acoustic), display of operating mode, 8 images, programmable priority keys, standard network inter node, USB 3.0 interface, Printer support, IMS (Image Store Sys 0 images), Two Interlock Switches
•	System Diagnostic Features	Power-on Self-Test (PO Feedback (RSF)	ST), Real-time Background Diagnosis (RBD), Real-time System
•	Options	X-ACT, HI-TIP, SD Train (HDD), Full Reverse Mo	ning Software, Extended Image Storage of 500,000 images de
•	Accessories		ve In-/Output Roller conveyors, 23" Monitor, Tunnel extensions, , Mobile Heavy Duty Rollers, Various Test Bags and Cases
Installation Data			
•	X-ray Leakage	meets all applicable law	s and regulations with respect to X-ray emitting devices
•	CE-Labelling	in compliance with direct	tives 2004/108/EC, 2006/42/EC, 2006/95/EC
•	Sound Pressure Level	< 65 dB(A)	
•	Operating / Storage Temperature	32°F - 104°F / -4°F - 14	0°F (0° - 40°C / -20°C - +60°C)
•	Humidity	5% - 95% (non-condens	sing)
•	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 <sup>4)</sup>	2004 (L) x 850 (W) x 13 78.9" (L) x 33.5" (B) x 54	95 (H) [mm] ● approx. 460 kg 4.91" (H) ● approx. 1014 lbs
•	Mechanical Construction	steel construction with s	teel panels, mounted on roller castors
<sup>1)</sup> approx. values (adjustable) <sup>2)</sup> measured at ambient temperature of 20° and 230V/120V nominal voltage			<sup>3)</sup> proprietary quality management test piece: steel step wedge, CU wires, belt speed 0.2 m/s <sup>4)</sup> without control desk, keyboard, monitor(s) etc.

