

# HI-SCAN 6040-2is

Heimann X-ray technology

## Feature Highlights

- Compact footprint and weighs less than 850 kg (1873 lbs.)
- Steel penetration of 35 mm (1.38")
- Flexible design for easier installation through door widths of 900 mm (35.5")
- Dual-view technology
- Increased throughput
- Operator friendly interface
- Available in standard and high resolution



The **HI-SCAN 6040-2is** is an advanced dual-view X-ray inspection system for automatic explosive detection at checkpoints where bags and personal belongings are screened to protect society. It utilizes proven Heimann X-ray technology to automatically detect explosive materials and generate reliable, high quality dual-view images.

This X-ray system presents a modern, ergonomic design that provides a user friendly interface to make it easier for the operator to identify threats and dangerous or illegal objects, on screen.

Its compact footprint means the **HI-SCAN 6040-2is** can be installed in areas with restricted space, providing operators with various options to meet their configuration requirements to ensure reliable, efficient throughput of hand luggage.

As the first dual-view system worldwide, the High Resolution version of **HI-SCAN 6040-2is** has recently obtained Standard 3 Type C, an extended approval as a Liquid Explosive Detection System (LEDS) under the requirements of the European Civil Aviation Conference (ECAC).

# Technical Information HI-SCAN 6040-2is

## 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 <sup>1)</sup> approx. 800 mm (31.4")
- 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) <sup>2)</sup> standard resolution (SR): standard: 39 AWG (0.09 mm) • typical: 40 AWG (0.08 mm)  
high resolution (HR): standard: 40 AWG (0.08 mm) • typical: 41 AWG (0.07 mm)
- Penetration (steel) <sup>2)</sup> standard: 35 mm • typical: 37 mm
- X-ray Dose (typical) 4.6 µSv
- External Dose < 1 µSv
- Film Safety Guaranteed up to ISO 1600 (33 DIN) with a maximum of 5 inspections
- Duty Cycle 100%, no warm-up procedure required

## X-ray Generator

- X-ray Generators 2
- Anode Voltage • Cooling 160 kV cp • hermetically sealed oil bath
- Beam Direction horizontal and vertical

## Image Generating System

- X-ray Converter dual-view detector system with large-scale integrated, monolithic amplifier
- Grey Levels Stored 4096
- Image Presentation B/W, color, HI-MAT<sup>Plus</sup>
- Digital Video Memory 1280 x 1024 / 24 bit
- Image Evaluation Functions VARI-MAT, O2, OS, HIGH, LOW, NEG  
stepless, electronic zoom: 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 HI-TIP, HI-SPOT, SEN, XPIore, IMS (Image Store 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-Labeling in compliance with directives 2004/108/EC, 2006/42/EC, 2006/95/EC
- developed in accordance with directives IEC, UN, UL, CSA
- 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 10% - 90% (non-condensing)
- Power Supply standard: 100, 120, 200, 230, 240 VAC + 10% / -20% • 50 Hz / 60 Hz ± 3 Hz
- Power Consumption max. 1.2 kVA
- Protection Class System IP 20 / IP 43
- Dimensions • Weight <sup>3)</sup> 2340 (L) x 1314 (W) x 1372 (H) [mm] • approx. 820 kg  
92.1" (L) x 51.7" (B) x 54" (H) • approx. 1807.8 lbs
- Mechanical Construction steel construction with steel panels, mounted on roller castors  
standard color(s): silver matt / B11-W1 (blue)

<sup>1)</sup> approx. values (adjustable)

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

<sup>3)</sup> without control desk, keyboard, monitor(s) etc.

