

HI-SCAN™ 6040-2is

DUAL-VIEW X-RAY INSPECTION FOR HAND LUGGAGE



Featured 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
- Operator friendly interface
- Available in standard and high resolution

HI-SCAN 6040-2is is an advanced dual view X-ray inspection system for automatic explosives and liquid detection. It offers a high throughput at security checkpoints where bags and personal belongings are screened. Utilizing Heimann's proven X-ray technology to assist with the detection of dangerous and illegal objects by highlighting them in excellent, high quality dual-view images.

With its modern and contemporary design the HI-SCAN 6040-2is provides increased flexibility with its compact footprint and lower weight, less than 850 kg (1873 lbs). It can be used in areas that are restricted in space and will fit through doorways of 900 mm (35.5") for installation.

HI-SCAN 6040-2is comes with outstanding steel penetration of 35 mm (1.38") and an operator friendly interface which makes it easy for the user to identify illegal objects and explosives that pose a threat to society.

Available in standard and also in high resolution for better wire detectability (AWG 40) in order to comply with EU Standard 3 Type C (LEDS).

Another option is ICMORE Weapons for the automatic detection of pistols, revolvers, gun parts, flick and fixed knife blades. Developed using AI, it is part of the iCMORE family of smart and adaptable object recognition algorithms.

The HI-SCAN 6040-2is is suitable for airports, government buildings, hotels and other critical infrastructure applications where reliable security solutions are required.

For more information on our products or services please visit:

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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 (31.4")
Conveyor speed with 50 Hz / 60 Hz	standard: 0.2/0.24 [m/s]
Max. conveyor load evenly distributed ⁴⁾	160 kg (352 lbs)
Resolution (wire detectability) ²⁾	standard resolution (SR): standard: 39 AWG • typical: 40 AWG high resolution (HR): standard: 40 AWG • typical: 41 AWG
Penetration (steel) ²⁾	standard: 35 mm • typical: 37 mm
External X-ray dose	<1 µSv/h (0,1 mrem)
Film safety	guaranteed up to ISO 1600 (33 DIN) with a maximum of 5 inspections
Operating 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 directions view A / view B	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 Plus
Digital video memory	1280 x 1024 / 24 bit
Image evaluation functions	VARI-MAT, O ₂ , OS, HIGH, LOW, NEG, HI-SPOT, SEN, XPlore, Opti-Zoom, HDA, stepless, electronic Zoom: 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, IMS (Image Store System - stores up to 100,000 images)
Options	HI-TIP, Xport, iCMORE Weapons (HR version only)

Installation Data

X-ray leakage	meets all applicable laws and regulations with respect to X-ray emitting devices.
CE labelling/directives	in compliance with directives 2006/42/EC, 2014/35/EU, 2014/30/EU, developed in accordance with standards IEC, UN, UL, CSA
Sound pressure level	< 65 dB(A)
Operating- / storage temperature	0° - 40°C / -20°C - +60°C
Humidity	10% - 90% (not condensing)
Power supply ³⁾	standard: 100, 120, 200, 230, 240 VAC +10% / -20% • 50 Hz - 60 Hz ± 3 Hz
Power consumption	max. 1.2 kVA
Protection class system / keyboard	IP 20 / IP 43
Dimensions • Weight ⁴⁾	2340 (L) x 1314 (W) x 1372 (H) [mm] • approx. 820 kg
Mechanical construction	steel construction with steel panels, mounted on roller castors standard color(s): silver matt / 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) without control desk, keyboard, monitor(s) etc.

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

