

HI-SCAN™ 100100V-2is .5

Fast, reliable, cost effective screening for high throughput air cargo



Feature Highlights

- 0.5 m/s conveyor speed
- Ideal for parcels and packages
- Integration ready
- Dual View - shorter inspection times
- Low 60 cm conveyor height
- 200 kg conveyor load
- Large tunnel
- Smallest footprint in its class
- Typical steel penetration - 37 mm in views A and B

Designed to meet the demands of fast turnaround, high volume air cargo applications for accelerated security screening, the high-speed HI-SCAN 100100V-2is model offers a top conveyor speed in its class - 0.5 m/s. It is a reliable, cost effective and regulatory compliant solution to the throughput challenges of this sector.

Industry proven components include two 160kV generators at 90° to each other to provide horizontal and vertical views (Dual View) of the screened object. The HI-SCAN 100100V-2is. 5 conventional X-ray scanner delivers the highest performance on the smallest footprint.

In addition, a 200 kg conveyor load supports break bulk cargo screening and the 1010 x 1010 mm tunnel easily handles out of gauge baggage.

This updated model takes the very successful HI-SCAN 100100V-2is series to a new level and existing installations can be upgraded to meet the new 0.5 m/s belt specifications.

ECAC regulation (EU) 2015/1998

TSA – ACSTL qualified (US)

General Specifications

Tunnel dimensions	1010 (W) x 1010 (H) [mm] • 39.7" (W) x 39.7" (H)
Max. object size	1000 (W) x 1000 (H) [mm] • 39.4" (W) x 39.4" (H)
Conveyor height ¹⁾	approx. 620 mm [24.4"]
Conveyor speed (adjustable with frequency converter)	typical 0.5 [m/s]
max. conveyor load even distributed over the whole conveyor ⁵⁾	200 kg [440 lbs]
Resolution (wire detectability) ²⁾	standard: 39 AWG (0.09 mm) • typical: 40 AWG (0.08 mm)
Penetration (steel) ²⁾	standard (view A): 35 mm • typical (view A): 37 mm standard (view B): 35 mm • typical (view B): 37 mm
X-ray dose / inspection (typical)	HI-MAT: 2.6 µSv (0.26 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 directions view A / view B	view A: diagonal from side / view B: diagonal from bottom to top

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, REVIEW, LOW, NEG 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 Store System - stores up to 100,000 images), 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	< 65 dB(A)
Operating / storage temperature	0° - 40°C / -20°C - +60°C
Humidity	5% - 95% (non-condensing)
Power supply ³⁾	standard: 230 VAC or 120 VAC +10% / -15% • 50 Hz / 60 Hz ± 3 Hz
Power consumption	approx. 1.3 kVA
Protection class system / keyboard	IP 20 / IP 43
Dimensions • Weight ⁴⁾	3585 (L) x 1530 (W) x 1750 (H) [mm] • approx. 1050 kg 141.1" (L) x 60.2" (W) x 68.9" (H) • approx. 2315 lbs
Mechanical construction	steel construction with steel panels, mounted on roller castors standard color: RAL 7016 (dark gray)

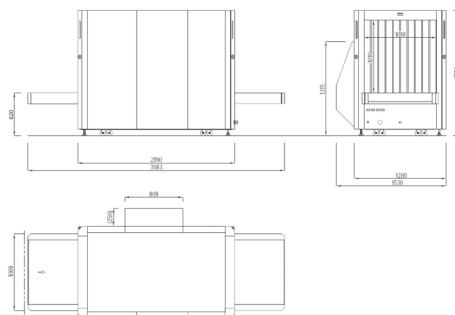
¹⁾ approx. values (adjustable)

²⁾ proprietary quality management test piece: steel step wedge, CU wires, belt speed 0.5 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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