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HI-SCAN™ 7555i

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 7555i is a newly designed, compact x-ray inspection system with a tunnel opening of 755 mm (30˝) wide by 555 mm (22˝) high. This tunnel size is ideally suitable for screening checked luggage and packages as well as briefcases, handbags and other small items.

The HI-SCAN 7555i is part of the new iLane system concept, which offers various possibilities of exten-sion 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.

Technical Data **HI-SCAN 7555i**

General Specifications

Tunnel dimensions	755 (W) x 555 (H) [mm] • 29.7" (W) x 21.9" (H)
Max. object size	750 (W) x 550 (H) [mm] • 29.5" (W) x 21.7" (H)
Conveyor height [1]	approx. 750 mm (29.5")
Conveyor speed at mains frequency 50 Hz / 60 Hz	approx. 0.2 / 0.24 [m/s]
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
X-ray dose / inspection (typical)	standard: 0.8 µSv (0.08 mrem) • with HI-MAT: 1.6 µSv (0.16 mrem)
Film safety	guaranteed 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, O2, OS, HIGH, 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, Media Bay for RIDA (250 GB), CD/RW module

Installation Data

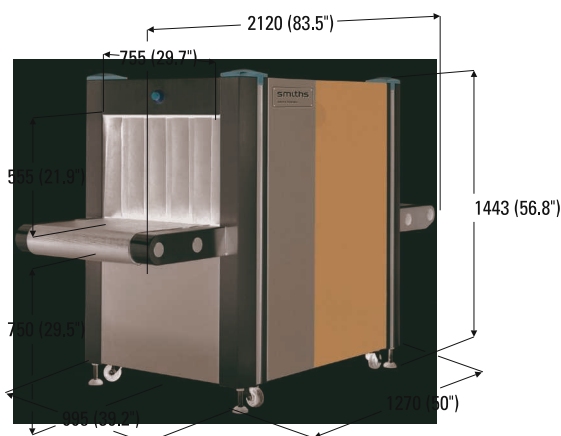|	
X-ray leakage	meets all applicable laws and regulations with respect to X-ray emitting devices.
CE-labelling	in compliance with directives 2004/108/EC, 2006/42/EC, 2006/95/EC
Sound pressure level	< 70 dB(A)
Operating- / storage temperature	0° - 40°C / -20°C - +60°C
Humidity	10% - 90% (non-condensing)
Power supply [3]	standard: 230 VAC or 120 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]	2120 (L) x 958 (W) x 1443 (H) [mm] • approx. 580 kg 83.5" (L) x 38.8" (W) x 56.8" (H) • approx. 1278.7 lbs
Mechanical construction	steel construction with steel panels, mounted on roller castors standard color(s): RAL 7016 (dark gray) / 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] 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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