

# HI-SCAN 7555si

Heimann X-ray Inspection System

## Feature Highlights

- X-ray generator includes optimized spectrum
- High resolution XADA sensor technology
- HiTraX II system platform with extended scope of services
- High resolution image display with doubled resolution
- Fully Integratable in networks for system management, archiving, image distribution and TIP functionalities
- Up to 37 mm steel penetration
- Wire detectability up to AWG 41
- **Optional:** Integrated radioactivity sensor



The **HI-SCAN 7555si** is equipped with an advanced multi-energy X-ray generator, a new generation of electronics plus a completely novel high resolution detector line. Thanks to this optimized technology, the system demonstrates performance rates not achieved before.

**HI-SCAN 7555si** produces extremely detailed X-ray images with more than double the number of real, physical pixels. The considerably enhanced image resolution of the scanned objects represents a decisive advantage for image evaluation in security areas.

**HI-SCAN 7555si** additionally has a higher tunnel opening and therefore can scan objects, which exceed standard dimensions for hand luggage in the aviation industry.

# Technical Information HI-SCAN 7555si

## 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 <sup>1)</sup> approx. 755 mm (29.7")
- Conveyor Speed at Mains Frequency 50 Hz / 60 Hz approx. 0.2 / 0.24 [m/s]
- Max. Conveyor Load (evenly distributed) 160 kg (352 lbs)
- Resolution (wire detectability) <sup>2)</sup> 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) HI-MAT: 1.8 µSv (0.18 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 Direction diagonal

## Image Generating System

- X-ray Converter L-shaped detector line, high resolution
- Grey Levels Stored 4096
- Image Presentation B/W, color
- Digital Video Memory 1280 x 1024 / 24 bit
- Image Evaluation Functions VARI-MAT, O<sup>2</sup>, OS, HIGH, electronic zoom: stepless 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 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-Labeling in compliance with directives 2004/108/EC, 2006/42/EC, 2006/95/EC
- Sound Pressure Level < 70 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 <sup>3)</sup> standard: 230 VAC or 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> 2120 (L) x 985 (W) x 1445 (H) [mm] • approx. 580 kg  
83.5" (L) x 38.8" (W) x 56.9" (H) • approx. 1278.7 lbs.
- Mechanical Construction steel construction with steel panels, mounted on rollers  
standard color(s): RAL 7016 (dark grey) / 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> different values optional

<sup>4)</sup> without control desk, keyboard, monitor(s) etc.



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Point Security, Inc.  
5815 NC Hwy 8 South  
Lexington, NC 27292  
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