

HI-SCAN 7555i

Heimann X-ray Inspection System

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 compact x-ray inspection system with a tunnel opening of 755 mm (30") wide by 555 mm (22") high. This tunnel size is ideally suited to screening checked luggage and packages as well as briefcases, handbags and other small items.

Online image analysis methods to support the operator's work, and a new man-machine interface configured according to ergonomic requirements, 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 **HI-SCAN 7555i** offers operators optimum support in making decisions and reduces inspection times considerably.

Technical Information 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 (evenly distributed) 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 (typical) standard: 0.8 µSv (0.08 mrem) • with HI-MAT: 1.6 µSv (0.16mrem)
- 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

- 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, XPIore, 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 ³⁾ 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 ⁴⁾ 2120 (L) x 985 (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 rollers
standard color(s): RAL 7016 (dark grey) / 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.



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