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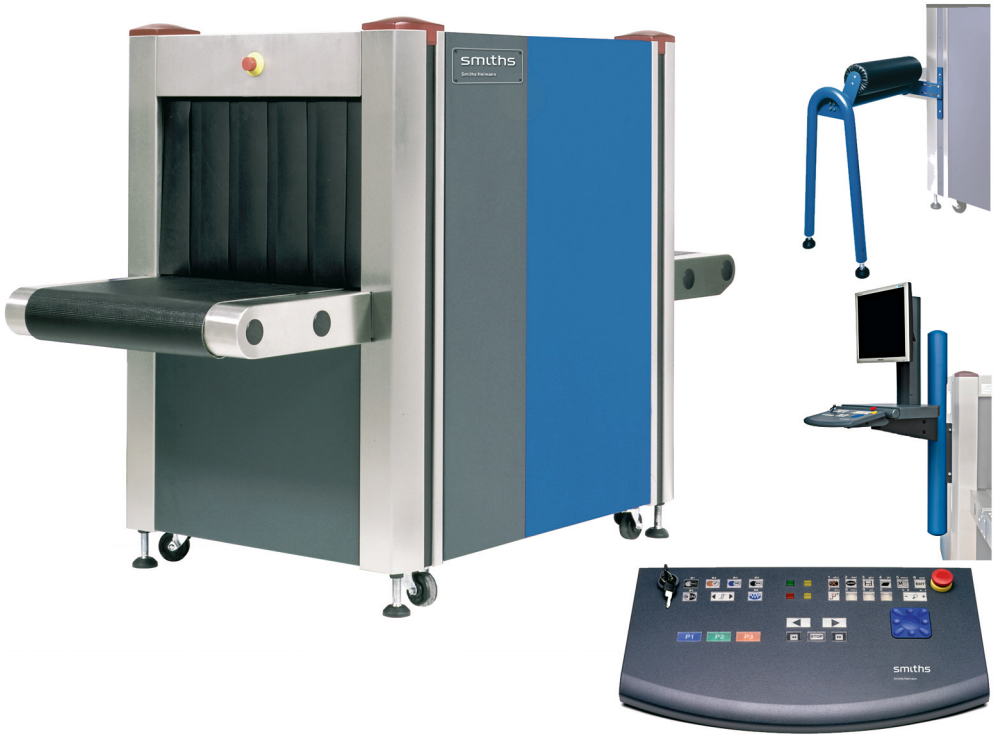
# HI-SCAN™ 7555i

## HEIMANN X-RAY TECHNOLOGY




**Feature Highlights**

- **High-End processor technology**
- **High-Speed digital signal transmis-sion**
- **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 tun-nel 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 pos-sibilities 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 cover-ing sensitive fields of inspection.
The equipment offers the operating person-nel 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 | 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 |

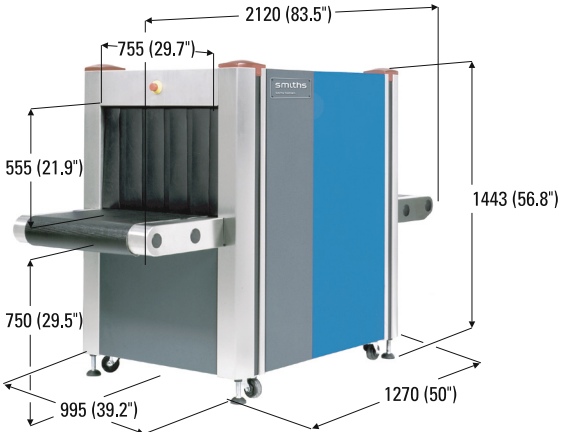
## Additional Features

| | |
|---|---|
| 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<br>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<br>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.

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