



## HI-Scan 7555i

# HI-SCAN 7555i

## HEIMANN X-RAY INSPECTION SYSTEM



### Feature Highlights

- High-End processor technology
- High-Speed digital signal transmission
- HI-MAT<sup>Plus</sup> 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 ProLine system concept, which offers various possibilities of extension 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 <sup>1)</sup>	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)	standard: 38 AWG (0.1 mm) • typical: 39 AWG (0.09 mm)
Penetration (steel) <sup>2)</sup>	standard: 27 mm • typical: 30 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, 0°, OS, HIGH
Monitor	electronic zoom: enlargement 2-, 3-, 4-, ... 16-times 17"-color monitor, emission meets MPR II and TCO 99 standards other monitors on request

### 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 image areas no more visible)
Options	Zoom-overview, free programmable keys, USB 2.0 interface, stepless zoom HI-MAT (distinction of material groups), X-ACT, HI-TIP, HI-SPOT, SEN, XPlore, IMS (image management system), Xport, Media Bay for RIDA (250 GB), ZIP module or 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 guidelines 98/37/EWG, 72/23/EWG, 89/336/EWG
Sound pressure level	< 70 dB(A)
Operating- / storage temperature <sup>4)</sup>	0° - 40°C / -20°C - +60°C
Humidity	10% - 90% (non-condensing)
Power supply <sup>5)</sup>	standard: 230 VAC or 110 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 <sup>6)</sup>	2120 (L) x 995 (W) x 1443 (H) [mm] • approx. 580 kg 83.5" (L) x 39.2" (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)

<sup>1)</sup> approx. values (adjustable)

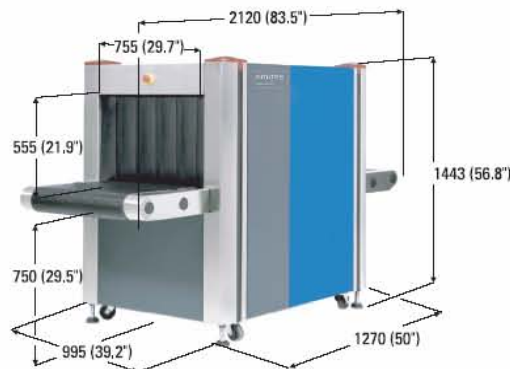
<sup>2)</sup> higher conveyor load at systems with frequency converter

<sup>3)</sup> Conds.: steel step wedge, CU wires, belt speed 0.2 m/s

<sup>4)</sup> extended temperature range on request

<sup>5)</sup> different values optional

<sup>6)</sup> without control desk, keyboard, monitor(s) etc.





If you would like further Information about ELAMAN,  
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