

HI-SCAN™ 7555aX

HEIMANN X-RAY TECHNOLOGY



Feature Highlights

- **Dual view X-ray inspection system**
- **Upgradeable to full capability of automatic explosives detection system HI-SCAN 7555aTiX**
- **Universally usable for carry-on baggage and air cargo packages**
- **High resolution XADA sensor technology**
- **Break bulk optimized max. conveyor load of 250 kg (550 lbs)**
- **Fully integratable in networks for system management, archiving, image distribution and TIP functionalities**

HI-SCAN 7555aX allows explosives detection at security checkpoints.

HI-SCAN 7555aX is a state-of-the-art dual-view X-ray inspection system that uses independent multi-energy generators.

Its modular system platform facilitates in-field upgrades to a full 4-view automated explosives and liquid detection system HI-SCAN 7555aTiX retaining the footprint unchanged.

The basic security system concept addresses requirements to adapt to future threat scenarios respectively regulatory frameworks.

HI-SCAN 7555aX utilizes latest high performance EDS detection technology.

The operating concept of the proven HI-SCAN series has been retained which guarantees an optimum passenger throughput at checkpoints.

The two detailed views (Dual View) available to carry out manual analysis support the quick and reliable evaluation process.

HI-SCAN 7555aX
increased security by innovative technology.

Technical Data HI-SCAN 7555aX

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. 800 mm [31.5"]
Conveyor speed with 50 Hz / 60 Hz mains frequency	standard: 0.2/0.24 [m/s]
Max. conveyor load even distributed over the whole conveyor	250 kg (550 lbs)
Resolution (wire detectability) ³⁾	standard: 40 AWG (0.08 mm Cu) • typical: 41 AWG (0.07 mm Cu)
Penetration (steel) ³⁾	standard: 35 mm • typical: 37 mm
X-ray dose (typical)	5.5 µSv (0.55 mrem) in dual view version, 11 µSv (1.1 mrem) in full 4 view version
Film safety	guaranteed up to ISO 1600 [33 DIN] with a maximum of 5 inspections
Operating cycle	100 %, no warm-up procedure required

X-ray Generator

X-ray generators	2 in dual view version • 4 in full 4 view version HI-SCAN 7555aTiX
Anode voltage • cooling	160 kV cp • hermetically sealed oil bath
Beam direction	from different directions, horizontal and vertical

Image Generating System

X-ray converter	MultiView detector system with large-scale integrated, monolithic amplifier
Grey levels stored	4096
Image presentation	B/W, color, HI-MAT ^{Plus}
Digital video memory	1280 x 1024 / 24 bit
Image evaluation functions	VARI-MAT, 0°, OS, HIGH, LOW, NEG stepless, electronic Zoom: enlargement: up to 16 times
Monitor	Flat Panel LCD Monitors [2]

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	HI-TIP, HI-SPOT, SEN, Xplore, IMS (image management system), 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/directives	in compliance with directives 98/37/CEE, 72/23/CEE, 89/336/CEE developed in accordance with directives IEC, UN, UL, CSA
Sound pressure	< 65 dB(A)
Operating-/storage temperature ⁴⁾	0° - 40°C / -20°C - +60°C
Humidity	10% - 90% (not condensing)
Power supply	standard: 100, 120, 200, 230, 240 VAC +10% / -15% • 50 Hz / 60 Hz ± 3 Hz
Power consumption	max. 1.8 kVA in dual view version • max. 2.2 kVA in full 4 view version
Protection class system / keyboard	IP 20 / IP 43
Dimensions • weight ⁵⁾	3450 (L) x 1445 (W) x 1535 (H) [mm] • approx. 1780 kg 135.8" (L) x 56.9" (W) x 60.4" (H) • approx. 3924 lbs
Mechanical construction	steel construction with steel panels, mounted on roller castors standard color(s): RAL 7016 (dark grey) / B11-W1 (blue)

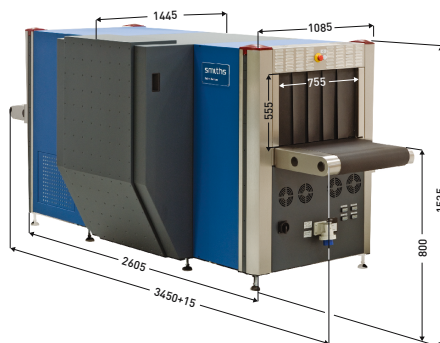
¹⁾ approx. values (adjustable)

²⁾ 0.24 m/s on request

³⁾ Cond.: steel stepwedge, copper wires, belt speed 0.2 m/s

⁴⁾ extended temperature range on request

⁵⁾ without operator console, monitors etc.



For product information, sales or service, please go to www.smithsdetection.com/locations

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