

HI-SCAN™ 5030C

DEVELOPED SPECIFICALLY FOR URBAN SECURITY APPLICATIONS



Feature Highlights

- Designed for Urban Security
- Easy-to-use
- Compact and flexible
- Stores up to 20,000 images
- Future proof HiTraX 3 electronics and software

Optional

- HI-TIP ^{Plus}: Threat Image Projection
- SDTS: Smiths Detection Training System
- Addition storage up to 500,000 images
- Conveyor extension for mobile version

Designed with the Urban Security sector in mind, the new HI-SCAN 5030C has the compact footprint and mobility demanded for applications with restricted floor space. Ideal for screening mail, packages, bags and other items of interest, it can help improve security and operational efficiency in confined spaces. It brings next generation technology to its extremely successful predecessor – the HI-SCAN 5030si which sold over 6,000 units.

Offering excellent flexibility, the HI-SCAN 5030C is available in stationary desktop or compact mobile versions. It is particularly suitable for use in mailrooms, entrance lobbies, prisons, court buildings, schools and many other security sensitive areas.

Key new features of both HI-SCAN 5030C versions include a larger display screen; keyboard with additional image manipulation and review keys; a re-designed emergency stop button to eliminate accidental activation. The mobile version additionally includes vibration shock absorbers and storage capacity for the monitor, keyboard and other items. A range of optional software offers further functionality from extra image storage to advanced image analysis support. The optional foldaway conveyor extension for the mobile version is easy to use and delivers even more flexibility.

Featuring the HiTraX 3 electronics and software platform, the HI-SCAN 5030C leverages the advanced software features and optimum image processing and presentation delivered by this user-friendly technology.

General Specifications

Tunnel dimensions	532 (W) x 328 (H) [mm] • 20.9" (W) x 12.9" (H)
Max. object size	530 (W) x 320 (H) [mm] • 20.9" (W) x 12.6" (H)
Conveyor height ¹⁾	approx. 187 mm (7.4") / 800 mm (31.5") with carriage
Conveyor speed at mains frequency (50 Hz / 60 Hz)	approx. 0.18 / 0.22 [m/s]
Max. conveyor load (evenly distributed) ⁵⁾	60 kg (132 lbs)
Resolution (wire detectability) ²⁾	Standard: 38 AWG (0.1 mm) • typical: 38 AWG (0.1 mm)
Penetration (steel) ²⁾	Standard: 14 mm • typical: 16 mm
External dose rate	≤ 1 µSv/h (0,1 mrem)
Film safety	Guaranteed even for high speed films up to ISO 1600 (33 DIN)
Duty cycle	100 %, no warm-up procedure required

X-ray Generator

Anode voltage • cooling	100 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	HI-MAT ^{Plus} Color Image (default)
Digital video memory	1920 x 1200 / 24 bit
Image evaluation functions	B/W, HIGH, LOW, NEG, VARI-MAT, O ² , OS electronic zoom: stepless enlargement up to 256-times
Monitor	Flat Panel LCD Monitor

Additional Features

Features	display of date/time, software counters for: objects, alarms, operating hours, X-ray On hours, user ID-number, luggage marking system (acoustic), display of operating mode, REVIEW-feature much more than 8 images, programmable priority keys, standard network interface, Automatic return mode, USB 3.0 interface, Printer support, IMS (Image Store System - stores up to 20,000 images), Full Reverse Mode
System Diagnostics Features	Power-on Self-Test (POST), Real-time Background Diagnosis (RBD), Real-time System Feedback (RSF)
Options	X-ACT, HI-TIP, SD Training System, Extended Image Storage of up to 500,000 images (HDD),
Accessories	Passive In-/Output Roller conveyors, 10m external Monitor/Keyboard connection cable, Monitor Theft Protection, Mobile Heavy Duty Rollers, Various Test Bags and Cases, Foam inlay for undercarriage

Installation Data

X-ray leakage	meets all applicable laws and regulations with respect to X-ray emitting devices
CE-labelling	in compliance with directives 2006/42/EC, 2014/35/EU, 2014/30/EU
Sound pressure level	< 50 dB(A)
Operating- / storage temperature	0° - 40°C / -20°C - +60°C
Humidity	5% - 95% (non-condensing)
Power supply ³⁾	100V / 120V / 230V / 240V AC (configurable); +10% / -15% • 50 Hz / 60 Hz ± 3 Hz
Power consumption	approx. 0.4 kVA
Protection class system / keyboard	IP 20 / IP 43
Dimensions • Weight ⁴⁾	Desktop: 1200 (L) x 705 (W) x 726 (H) [mm] • approx. 188 kg 47.3" (L) x 27.8" (W) x 28.6" (H) • approx. 414 lbs Mobile: 1200 (L) x 705 (W) x 1339 (H) [mm] • approx. 270 kg 47.3" (L) x 27.8" (W) x 52.7" (H) • approx. 595 lbs
Mechanical construction	Steel construction with aluminum panels standard color(s): RAL B11/W1F12 / stainless steel

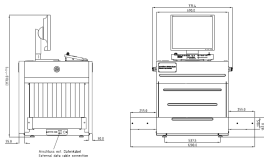
¹⁾ approx. values (adjustable)

²⁾ proprietary quality management test piece: steel step wedge, CU wires, belt speed 0.2 m/s

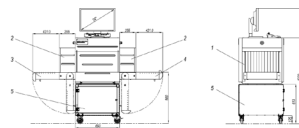
³⁾ can be configured on site by trained service technician

⁴⁾ without keyboard, monitor(s) etc.

⁵⁾ measured at ambient temperature of 20°C and nominal voltage



HI-SCAN 5030C - Table Top Version



HI-SCAN 5030C - Mobile Version

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

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