

# HI-SCAN™ 5030C

HEIMANN X-RAY TECHNOLOGY



## Feature Highlights

- HI-MAT <sup>Plus</sup> advanced material classification
- Compact solution for mobile and stationary applications
- Ease of use for operators
- Future proof electronics and software
- Image Store System (IMS) - stores up to 20,000 images

## Optional

- HI-TIP <sup>Plus</sup>: Threat Image Projection
- SDTS: Smiths Detection Training System
- Store up to 500.000 images

HI-SCAN 5030C is the logical evolution of the extremely successful HI-SCAN 5030si, of which more than 6000 units were sold worldwide.

Planned in modular design available as stationary desktop system and compact mobile solution, HI-SCAN 5030C is flexibly extensible and therefore is fit for different applications.

Due to state-of-the-art X-ray-, sensor- and computer-technologies this system offers functionalities, which used to be known from complex solutions for aviation security purposes only.

HI-SCAN 5030C permits configurations with operator training, TIP- and image management functionalities.

Being one of the most space-saving X-ray inspection systems available, HI-SCAN 5030C is ideal for use in mailrooms, entrance halls, correctional and judicial facilities, schools and many other security sensitive areas, where contact-free inspection of pouches, bags, letters or packages is required.

HI-SCAN 5030C - increased security by advanced technology.

## General Specifications

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

## X-ray Generator

<b>Anode voltage • cooling</b>	100 kV cp • hermetically sealed oil bath
<b>Beam direction</b>	diagonal

## Image Generating System

<b>X-ray converter</b>	L-shaped detector line
<b>Grey levels stored</b>	4096
<b>Image presentation</b>	HI-MAT <sup>Plus</sup> Color Image (default)
<b>Digital video memory</b>	1920 x 1200 / 24 bit
<b>Image evaluation functions</b>	B/W, HIGH, LOW, NEG, VARI-MAT, O <sup>2</sup> , OS electronic zoom: stepless enlargement up to 256-times
<b>Monitor</b>	Flat Panel LCD Monitor

## Additional Features

<b>Features</b>	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
<b>System Diagnostics Features</b>	Power-on Self-Test (POST), Real-time Background Diagnosis (RBD), Real-time System Feedback (RSF)
<b>Options</b>	X-ACT, HI-TIP, SD Training System, Extended Image Storage of up to 500,000 images (HDD),
<b>Accessories</b>	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

<b>X-ray leakage</b>	meets all applicable laws and regulations with respect to X-ray emitting devices
<b>CE-labelling</b>	in compliance with directives 2006/42/EC, 2014/35/EU, 2014/30/EU
<b>Sound pressure level</b>	< 50 dB(A)
<b>Operating- / storage temperature</b>	0° - 40°C / -20°C - +60°C
<b>Humidity</b>	5% - 95% (non-condensing)
<b>Power supply</b> <sup>3)</sup>	100V / 120V / 230V / 240V AC (configurable); +10% / -15% • 50 Hz / 60 Hz ± 3 Hz
<b>Power consumption</b>	approx. 0.4 kVA
<b>Protection class system / keyboard</b>	IP 20 / IP 43
<b>Dimensions • Weight</b> <sup>4)</sup>	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
<b>Mechanical construction</b>	Steel construction with aluminum panels standard color(s): RAL B11/W1F12 / stainless steel

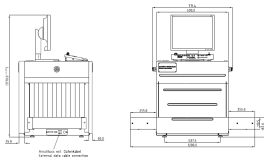
<sup>1)</sup> approx. values (adjustable)

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

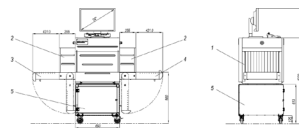
<sup>3)</sup> can be configured on site by trained service technician

<sup>4)</sup> without keyboard, monitor(s) etc.

<sup>5)</sup> 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](http://www.smithsdetection.com/locations)

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