HI-SCAN 5030C

Compact, Durable and Transportable X-Ray Inspection System

Feature Highlights

- Compact desktop solution for mobile and stationary applications
- Fast Start-Up
- Tunnel opening of 50 x 30 cm
- Lightweight and transportable through doors or within small spaces

Optional

- HI-TIP: Threat Image Projection
- SDTS: Operator training system
- Storage for up to 500,000 images

The **HI-SCAN 5030C** X-ray inspection system features the proven HiTrax 3 electronics and software platform to enhance and expedite security screening operations. It produces reliable and easy-to-interpret scanned images enabling screening personnel to make threat and contraband assessment of parcels to personal items quickly and confidently.

The **HI-SCAN 5030C** is available as a stationary desktop scanner or as a mobile version, on wheels featuring vibration shock absorbers and a storage compartment. The system's lightweight design allows it to be transported through standard doorways and into confined spaces, onto vehicles for temporary screening applications or integrated into existing checkpoints without the need for costly infrastructure investments.

The **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 are required.

Technical Information   HI-SCAN 5030C

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) approx.
- Conveyor Height [1]
  187 mm (7.4") / 800 mm (31.5") with cart approx. 0.18 /
- Conveyor Speed at Mains Frequency 50 Hz / 60 Hz
  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: 39 AWG (0.09 mm)
- Penetration (steel) [2]
  Standard: 14 mm ● typical: 16 mm
- X-ray Dose (typical)
  ≤ 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, high resolution
- Grey Levels Stored
  4096
- Image Presentation
  B/W, color
- 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)

Installation Data

- X-ray Leakage
  meets all applicable laws & regulations w/ 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
  32°F - 104°F / -4°F - 140°F (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
  IP 20 / IP43
- Dimensions ● Weight [4]
  1200 (L)[2] x 705 (B) x 1339 (H) [mm] ● approx. 270 kg
  47.3" (L)[2] x 27.8" (B) 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 control desk, keyboard, monitor(s) etc.
[5] measured at ambient temperature of 20C and nominal voltage

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www.pointsecurityinc.com

Point Security, Inc.
5815 NC Hwy 8 South
Lexington, NC 27292
1-800-476-1607