

# SDX™ 100100 DV HC

Advanced technology for best performance



## Feature Highlights

- Excellent detection capabilities exceeding international standards by far
- Latest hard- and software configuration for best performance and future proofing
- Various options for integration, allowing adaption per application
- AI based iCMORE option for additional detection options, including Lithium batteries and weapons
- Ergonomic conveyor height allowing convenient manual handling of inspected objects
- Wire resolution AWG 41
- Steel penetration 37 mm

SDX 100100 DV HC is especially designed to meet the requirements and needs of airports, customs facilities, carriers, parcel services or wherever high security of a large variety of dimensions is required.

The SDX 100100 DV HC is equipped with two 160kV generators in 90° opposition, thus providing a horizontal and vertical view of the screened object (dual-view). This particular screening method facilitates reliably inspections of tightly packed objects in one process while shortening inspection times.

Its compact system design provides highest performance on smallest footprint. Additionally, a conveyor load of 200 kg allows the fast screening of break bulk cargo.

The SDX 100100 DV HC can be easily integrated, both, physically into external material handling systems as well as into one intelligent network that allows Central Image Processing.

The new hardware and HiTraX 3 software provide best in class image quality for increased operational efficiency. The modular design is optimized for the use of common parts and ease of manufacture, ensuring easy service and operations.

SDX 100100 DV HC can be further enhanced by Smiths Detection's iCMORE automated threat detection software for weapons and lithium batteries to increase security.

SDX 100100 DV HC is available in two different versions, with a conveyor speed of 0.2 m/s or 0.5 m/s. The high-speed model delivers high throughput break bulk cargo screening for fast turnaround, high volume air cargo applications.

## General Specifications

<b>Tunnel dimensions</b>	1009 (W) x 1010 (H) [mm] • 39.7" (W) x 39.8" (H)
<b>Max. object size</b>	1000 (W) x 1000 (H) [mm] • 39.4" (W) x 39.4" (H)
<b>Conveyor height</b>	750 mm (29.5")
<b>Conveyor speed</b>	0.2 m/s (optional; 0.5 m/s)
<b>max. conveyor load even distributed</b>	200 kg (440 lbs)
<b>Resolution (wire detectability)</b>	standard (view A): 40 AWG (0.08 mm) • typical: 41 AWG (0.07 mm) standard (view B): 39 AWG (0.09 mm) • typical: 40 AWG (0.08 mm)
<b>Penetration (steel)</b>	standard (view A): 35 mm • typical 37 mm standard (view B): 35 mm • typical 37 mm
<b>Film safety</b>	guaranteed up to ISO 1600 [33 DIN]
<b>Duty cycle</b>	100 %, no warm-up procedure required

## X-ray Generator

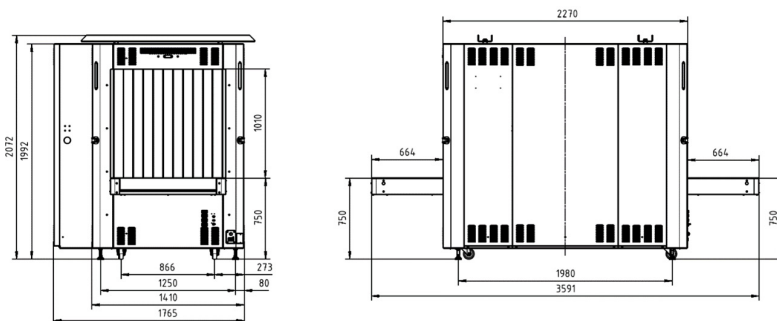
<b>Anode voltage • cooling</b>	2 x160 kV cp • hermetically sealed oil bath
<b>Beam direction</b>	Horizontal and vertical (top to bottom)

## Additional Features

<b>Functions</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 of last 20 images, programmable priority keys, standard network interface, automatic return mode, USB 3.0 interface, Printer support, IMS (Image Store System – storage of up to xxx images), Full reverse mode, Failsafe mode
<b>System Diagnostics Features</b>	Power-on Self-Test (POST), Real-time Background Diagnosis (RBD), Real-time System Feedback (RSF)
<b>Options</b>	HI-TIP, SD Training System, Random Recheck, iCMORE Weapons, iCMORE Lithium Batteries
<b>Accessories</b>	Passive In-/Output roller conveyors, motorized In-/Output conveyors, Tunnel extensions, Barcode reader, Attendance detector, iLOC monitor consoles

## Installation Data

<b>X-ray leakage</b>	<1 $\mu$ Sv/h, 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>	< 65 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>	standard: 100, 120, 200, 230, 240 VAC +10% /-20% • 50 Hz / 60 Hz $\pm$ 3 Hz
<b>Power consumption</b>	approx. 1 kVA (operating)
<b>Protection class system / keyboard</b>	IP 20 / IP 43
<b>Dimensions • Weight</b>	3591 (L) x 1765 (W) x 1992 (H) [mm] • approx. 1600 kg
<b>Mechanical construction</b>	steel construction with steel panels, mounted on roller castors standard color: dark blue / B11-W1



For product information, sales or service, please go to [www.smithsdetection.com/locations](http://www.smithsdetection.com/locations)

Smiths Detection Germany GmbH, Im Herzen 4, 65205 Wiesbaden, Germany  
Modifications reserved. 95597218 18/10/2023 © Smiths Detection Group Ltd. - In some cases, the figures contain options  
HI-SCAN is a trademark of Smiths Detection Group Ltd.