smiths detection

Incent.view 3D

ANALYST- AND RECHECK WORKSTATION
FOR DISPLAY OF HI-SCAN 10080 XCT IMAGES

The Incent.view 3D Workstation displays the images generated by the explosives detection system (EDS) HI-SCAN 10080 XCT. Depending on the workstation's operating mode, images containing suspicious items are automatically displayed on the workstation or are retrieved e.g. with a barcode reader.

All image information is presented in a clearly arranged way to the operator. Detected explosives or dark alarms are marked with coloured frames. Each alarm can be cleared individually or the bag can be cleared as a whole. This ensures a time-efficient on-screen resolution in the different screening levels.

The available images of the HI-SCAN 10080 XCT are displayed in four different windows on the screen. In the 3D window the CT image can be rotated, zoomed and moved in any direction in order to view the suspicious bag from all sides.

Beneath in the alarm window each the suspicious items can be analyzed individually and can be rotated as well. In addition the operator receives two high-resolution 2D views, displayed in the established Smiths Detection colour scheme, to visualize even the smallest objects like wires or detonators. For these views also zoom and the full set of Smiths Detection image enhancement functions are available. The slice window provides additional information for reliable image analysis.

The Incent.view 3D workstation allows high quality on-screen resolution combined with simple, ergonomic and intuitive operation. The high-resolution 2D and 3D images provide all necessary information for fast and reliable image evaluation. Through this efficient process the number of workstations and operators can be reduced in all screening levels. The Incent.view 3D workstation therefore contributes to a cost-efficient overall solution.

Image Evaluation

Operating- and	Single alarm processing, 3D full screen, 2D full screen
Image evaluation functions	3D: Opacity, Background removal, B/W, NEG
	2D: O2, OS, BW, NEG, SEN, HIGH, VARI
Zoom	Stepless (infinite)
Absorption	Absorption is displayed with colour intensity and grey levels
Marking	Suspicious areas are marked with frames in all views
Display	Remaining evaluation time, operator ID, date and time, bag-ID
2D / 3D reference [1]	Automatic reference of 2D to 3D image by highlighting the alarms in all views

General

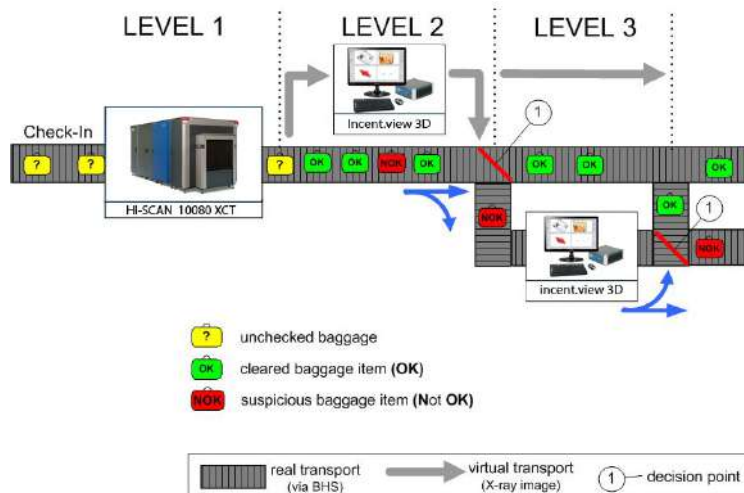|	
Certificates	Image resolution and penetration are STP compliant
	EU Standard 2 for image quality (EC) No. 185/2010
	CE, UL
Scope of delivery	Pre-installed system consisting of monitor, keyboard, mouse, Incent.view PC and software licences
Operating system	64Bit Linux based
Localisation	German, English (other languages on request)

Hardware

Incent.view PC	According to Technical Information No. 95593518
Monitor	Flat screen 24″, 1920 x 1200 Pixel
	(other monitor sizes as option)
Operation	Standard PC keyboard, mouse (operation with mouse only)
Safety	Software access protected by password
	Hardware access protected by lockable doors (Incent.view)
UPS	Optional
Barcodereader	Optional
Environmental conditions	0° - +40°C operating temperature (-20° - +60°C storage), humidity 10% - 90% (non-condensing)
Power supply	100 VAC - 240 VAC, 50-60Hz, 250W

Operating Procedure

Image display	Automatic in real time (Analyst Mode), Image retrieve with optional barcode reader, Image retrieve with entering the image code (Recheck Mode)
	Acustic alarm
	Result feedback
Integration	Integration with HI-SCAN 10080 XCT, MatriX Server, HMS, Incent.data, Incent.view UWS networks
Image Display	Optimised for HI-SCAN 10080 XCT images, Display of X-ray images of complete HI-SCAN series
Local image storage	More than 1000 images
Printer	Via network printer
TIP	Optional
Operator Training Mode (OJT)	Optional

[1] Modification reserved

Exemplary scheme of a multi-level concept

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