HI-SCAN[™] 6040 DV



Feature Highlights

- Dual-view X-ray with highdefinition imaging
- Smart display functions accurate and fast decisions
- Optional automatic weapon detection
- Easy integration into tray handling systems
- Highest levels of cyber security
- Compact footprint weight 820kg/1808 lbs

ECAC LEDS Standard 2 Type C approved

ECAC EDS CB C1 approval ACSTL and STAC planned

HI-SCAN 6040 DV is an advanced dual-view X-ray inspection system for automatic detection of explosives and liquids. The dual-view increases operational efficiency by eliminating the need to re-position or re-scan objects. Offering superior image quality, smart display functions and easy integration into tray handling and management systems, it is the ideal solution for efficient screening in high threat applications such as airports, government facilities, embassies, or banks.

EDS CB C1 and LEDS algorithms - in combination with the optional iCMORE weapons capability for automatic detection of pistols, revolvers, gun parts, flick, and fixed blade knives - elevate security, efficiency, and automation, without requiring additional hardware. Automatic detection reduces the burden on image analysts and is particularly helpful for less experienced operators.

The HI-SCAN 6040 DV also provides highest level of protection against cyber threats by applying industry best practices such as operating system hardening, a host-based firewall, TripWire integrity monitoring and powerful user management with highly configurable password policies.

The new Optimised Background Contrast function enables images to be viewed on a darker background rather than the legacy white, making object identification significantly easier.

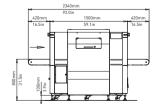
HI-SCAN 6040 DV is also compatible with the Checkpoint. Evoplus screening and management platform which supports actionable operational data insights and health status monitoring plus centralised screening.

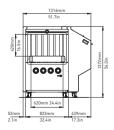
Straightforward integration into Smiths Detection or third-party tray handling lanes makes it an ideal choice for high-throughput applications.

General Sp	ecitications

General Specifications	
Tunnel dimensions	620 (W) x 420 (H) [mm] • 24.4" (W) x 16.5" (H)
Max. object size	615 (W) x 410 (H) [mm] • 24.2" (W) x 16.1" (H)
Conveyor height 1)	approx. 800 mm (31.4")
Conveyor speed with 50 Hz / 60 Hz	0.2/0.24 [m/s]
mains frequency	
Max. conveyor load even distributed	160 kg (352 lbs)
over the whole conveyor 4)	
	standard: 40 AWG • typical: 41 AWG
	standard: 35 mm • typical: 37 mm
	<1 μSv/h (0,1 mrem)
Film safety	guaranteed up to ISO 1600 (33 DIN) with a maximum of 5 inspections
Operating cycle	100 %, no warm-up procedure required
X-ray Generator	
X-ray generators	
	160 kV cp •hermetically sealed oil bath
Beam direction	horizontal and vertical
Image Generating System	
	dual-view detector system with large-scale integrated, monolithic amplifier
Grey levels stored	
	Color Image (default), HI-MAT Plus
Digital video memory	
Image evaluation functions	VARI-MAT, O ^{2Plus} , OS ^{Plus} , HIGH, Organic Enhancement, HI-SPOT, SEN, XPlore, Opti-Zoom, HDA,
	stepless electronic Zoom: up to 256 times and scaling down up to 2x, Optimized Background Contrast Mode
Monitor	2 flat screen LCD monitors; resolution min. 1920x1080 pixel
Additional Features	
	display of date/time, software counters for: objects, alarms, operating hours, X-ray On hours, user id-number,
Tunctions	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 up to 400.00 images), Full Reverse Mode, Fallsafe Mode
System diagnostic features	Power-on Self-Test (POST), Real-time Background Diagnosis (RBD), Real-time System Feedback (RSF)
	HI-TIP+, SD Training System, Random ReCheck, iCMORE
option3	The The Training System, National Restriction on E
Installation Data	
	meets all applicable laws and regulations with respect to X-ray emitting devices
	in compliance with directives 2006/42/EC, 2014/35/EU, 2014/30/EU, 2011/65/EU & delegated directive (EU) 2015/863
	developed in accordance with standards IEC, EN, UL, CSA
Sound pressure	
Operating-/storage temperature	
	10% - 95% (not condensing)
	standard: 100, 120, 200, 230, 240 VAC +10% / -15% • 50 Hz - 60 Hz ± 3 Hz
Power consumption	
Protection class system/keyboard	
	2340 (L) x 1314 (W) x 1372 (H) [mm] • approx. 820 kg
	2000 (E) A 1014 (W) A 1072 (11) (11) (11) 4 april x a 20 kg

³⁾ without control desk, keyboard, monitor(s) etc. ⁴⁾ measured at ambient temperature of 20°C and nominal voltage





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

Mechanical construction steel construction with steel panels, mounted on roller castors standard color(s): silver matt / B11-W1 (blue)

approx. values (adjustable)
proprietary quality management test piece: steel step wedge, CU wires, belt speed 0.2 m/s