

Orion[®] 920DX

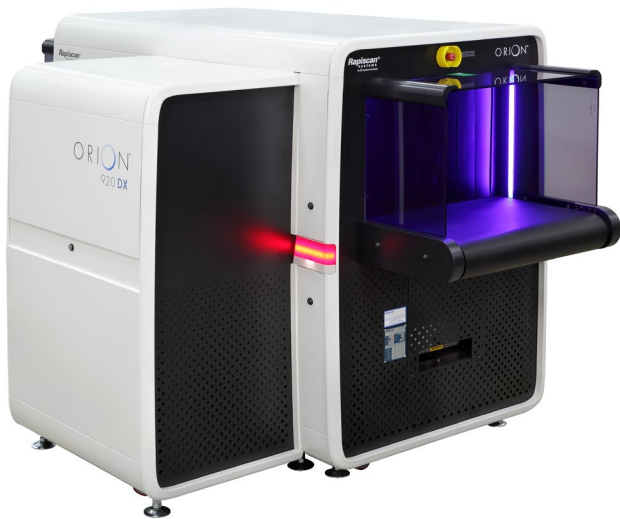
Rapiscan[®] Systems



Selmatec AS is an ISO9001: 2015 approved company and an Environmental Certified company (Miljøfyrtårn)



DATASHEET



The new 920DX is a High Performance 640mm by 430mm tunnel dual view checkpoint screening system with excellent threat detection alert capabilities.

INDUSTRY BEST RESOLUTION

EXPLOSIVES & NARCOTICS DETECTION

LOW DENSITY IMAGE ENHANCEMENT

MATRIXING, NETWORKING & REMOTE VIEWING

EC
300/2008
AVIATION COMPLIANT

CANADA
ACS
QUALIFIED

US
TSA
ACSTL QUALIFIED

SPECTRUM 4-COLOUR IMAGING

920DX can present images to the operator in the Classic 4-colour and the new proprietary Spectrum 4-colour (SP4) option providing superior image, allowing improved security by quick and accurate identification of threats and increase in throughput.

EXPLOSIVES AND NARCOTICS DETECTION

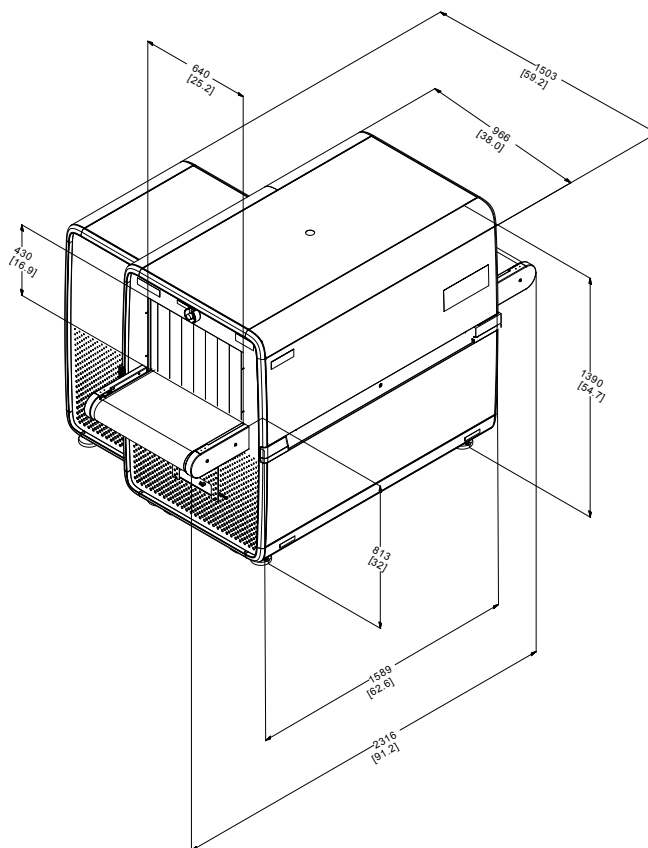
Target and NARCScan are designed to detect a wide range of explosives and narcotics respectively in real time during the scanning process by marking a potential threat on the X-ray image. Rapiscan[®] Systems detection algorithms are based on regulatory approved material analysis techniques.

DUAL MODE AUTO Z_{EFF}

The Dual Mode Z_{eff} feature aids the operator in the identification of organic materials, either in Range Mode which highlights areas based on operator selected Z-effective values of 7, 8 or 9, or in Interactive Mode which gives the operator the option to display the Z-effective number of a selected pixel.

EUROPEAN AVIATION COMPLIANCE

920DX performance is in full compliance with the mandatory regulations (EC) No. 300/2008, (EC) Implementing Regulation 1998/2015 and update 815/2017, EC Implementing Decision 8005/2015 and update 3030/2017 for aviation security in the European Union.



PHYSICAL SPECIFICATIONS ¹

DIMENSIONS	L	2,316 mm (91.2 in)
	W	1,503 mm (59.2 in)
	H	1,390 mm (54.7 in)
TUNNEL SIZE	W	640 mm (25.2 in)
	H	430 mm (16.9 in)
CONVEYOR HEIGHT		813 mm (32 in.)
WEIGHT (NET)		897 Kg (1978 lbs)

ENVIRONMENT & POWER

STORAGE TEMPERATURE	-20°C to 50°C
OPERATING TEMPERATURE	0°C to 40°C
RELATIVE HUMIDITY	5 to 95% non-condensing
SYSTEM POWER	100/110/120/200/208 /220/230/240 VAC ±10%

PERFORMANCE ²

CONVEYOR SPEED ¹	0.22 m/sec (43.3 ft/min)
CONVEYOR LOAD ¹	165 Kg (364 lbs)
STEEL PENETRATION	41 mm typical, 40 mm standard
WIRE RESOLUTION	41 AWG typical, 40 AWG standard
SPATIAL RESOLUTION	0.8mm Vertical, 0.8mm Horizontal

X-RAY GENERATOR

ANODE VOLTAGE	160kV
ORIENTATION	Vertically Upward and Horizontal

KEY FEATURES AND OPTIONS

Explosive threats, narcotics & density alerts

Spectrum 4

17 Image processing functions

SINERGY low density enhancement

Dual Mode Z-effective

CrystalClear™

Automatic, Enhanced Image Archiving

Remote Status Monitoring

Remote Archive Review

Multi-System Alarm Resolution Network

Multiplexing and Matrixing

Tray Return System Compatible

13 Languages

64-bit Operating System

Scan S™

64-bit Operating System

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Rapiscan
systems
An OSI Systems Company

1. Approximate Values 2. Stated performance as measured by Rapiscan® Imaging Validation Test Kit

Rapiscan® Systems is ISO 9001:2015 Certified

Rapiscan® Systems' cabinet X-ray products comply with all applicable U.S. FDA and equivalent international regulatory agency requirements, contained in the cabinet X-ray radiation safety performance standard [21 CFR 1020.40] and the general performance standard [21 CFR Part 1010] as well as IEC standard 61010-2-091. Rapiscan® baggage and parcel inspection systems radiation emission leakages are well below the required regulatory limits with less than 1 µSv/hr at 10 cm from all surfaces of cabinet X-ray.

With continual development of our products Rapiscan® Systems reserves the right to amend specifications without notice. Product pictures are for general reference. Please note that due to US laws and regulations, not all Rapiscan® products are available for sale in all countries without restriction. Please contact your Rapiscan® Systems sales representative for more information.



Thanks for Downloading

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