ORION™ 920 DX

Rapiscan® systems
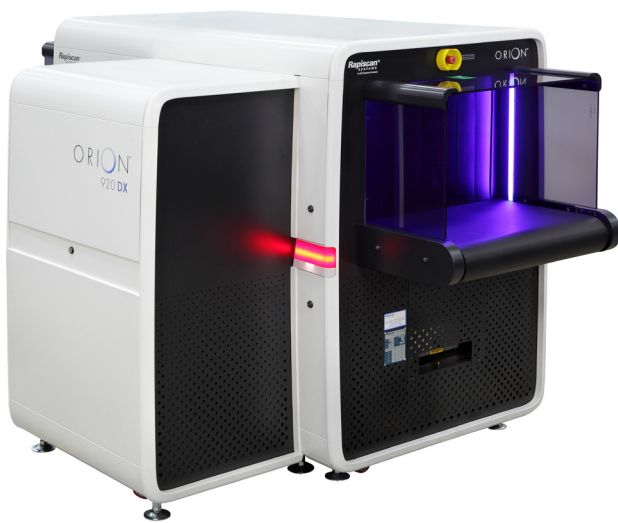An OSI Systems Company

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

UK
DfT
APPROVED

EC
300/2008
AVIATION COMPLIANT

SPECTRUM 4-COLOR IMAGING

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

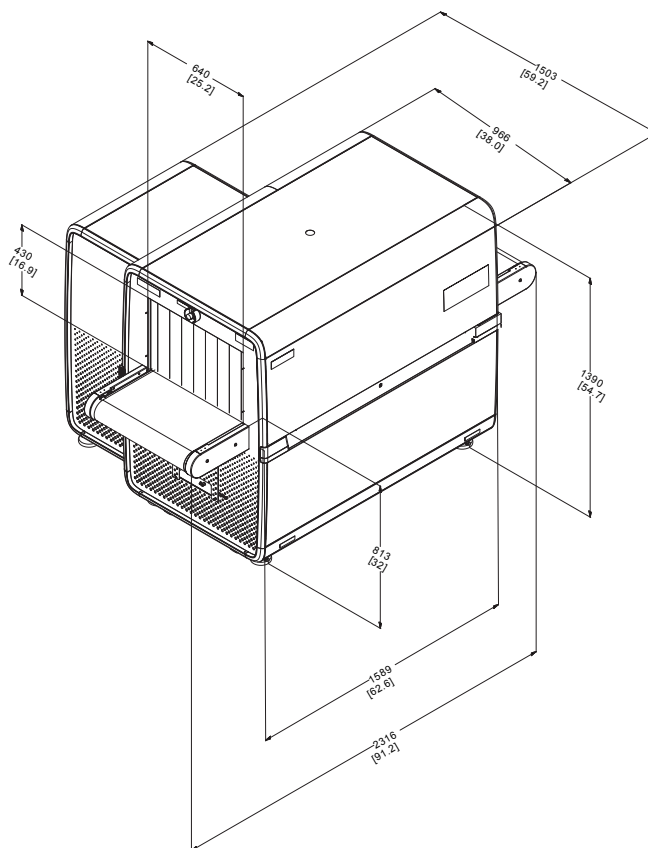## EXPLOSIVES AND NARCOTICS DETECTION

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.

640
[25.2]

1503
[59.2]

966
[38.0]

430
[16.9]

1390
[54.7]

813
[32]

1589
[62.6]

2316
[91.2]

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

E.U. Approved Threat Image Projection

Remote Status Monitoring

Remote Archive Review

Multi-System Alarm Resolution Network

Multiplexing and Matrixing

Tray Return System Compatible

13 Languages

64-bit Operating System

ScanOS

64-bit Operating System

DSBP-0006-920DX-184705