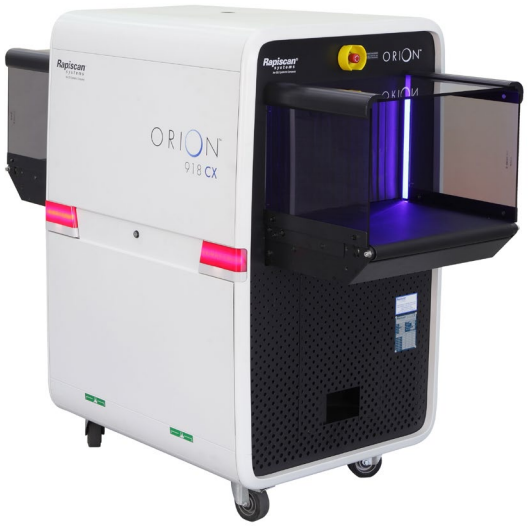
ORION 918 CX

Rapiscan systems
An OSI Systems Company

DATASHEET



The new 918CX is a High Performance, compact and versatile 540mm by 360mm tunnel X-Ray system with exceptional image quality and excellent threat detection alert capabilities.

- INDUSTRY BEST RESOLUTION & MATERIAL DISCRIMINATION
- EXPLOSIVES & NARCOTICS DETECTION
- LOW DENSITY IMAGE ENHANCEMENT
- MATRIXING, NETWORKING & REMOTE VIEWING

EC 300/2008 AVIATION COMPLIANT

SPECTRUM 4-COLOR IMAGING

918CX 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.

DUAL MODE Z_{EFF}

This feature aids the operator in quick 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.

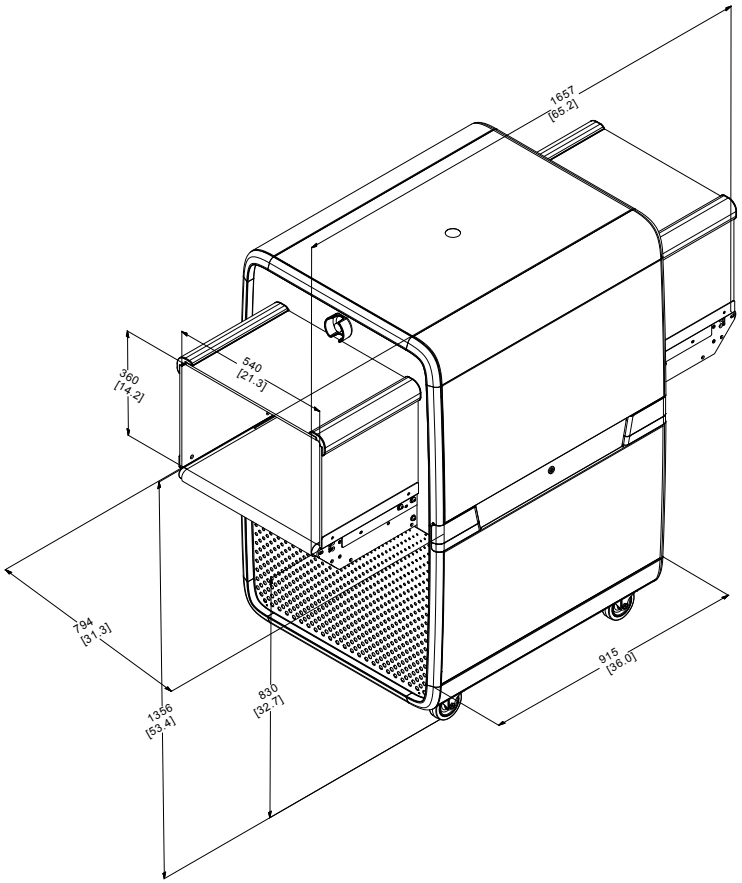
EXPLOSIVES AND NARCOTICS DETECTION

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.

EUROPEAN AVIATION COMPLIANCE

918CX 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.

Dimensions are in mm[in]



PHYSICAL SPECIFICATIONS [1]

DIMENSIONS	L	1,657 mm (65.2 in)
	W	794 mm (31.3 in)
	H	1,356 mm (53.3 in)
TUNNEL SIZE	W	540 mm (21.3 in)
	H	360 mm (14.2 in)
CONVEYOR HEIGHT		830 mm (32.7 in)
WEIGHT (NET)		429 Kg (946 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]	0.20 m/sec (39.4 ft/min)
CONVEYOR LOAD[1]	165 Kg (364 lbs)
STEEL PENETRATION	33 mm typical, 31 mm standard
WIRE RESOLUTION	40 AWG typical, 38 AWG standard
SPATIAL RESOLUTION	0.8 mm vertical & horizontal

HIGH SPEED OPTION

CONVEYOR SPEED[1]	0.35 m/sec (68.9 ft/min)
STEEL PENETRATION	33 mm typical, 31 mm standard
WIRE RESOLUTION	40 AWG typical, 38 AWG standard
SPATIAL RESOLUTION	0.8 mm vertical & horizontal

X-RAY GENERATOR

ANODE VOLTAGE	140kV
ORIENTATION	Diagonally Upward

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
- 13 Languages
- 64-bit Operating System

ScanOS™

64-bit Operating System

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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 1µSv/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.