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

UK
DfT
APPROVED

EC
300/2008
AVIATION COMPLIANT

SPECTRUM 4-COLOR IMAGING

918CX now can exhibit images 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.
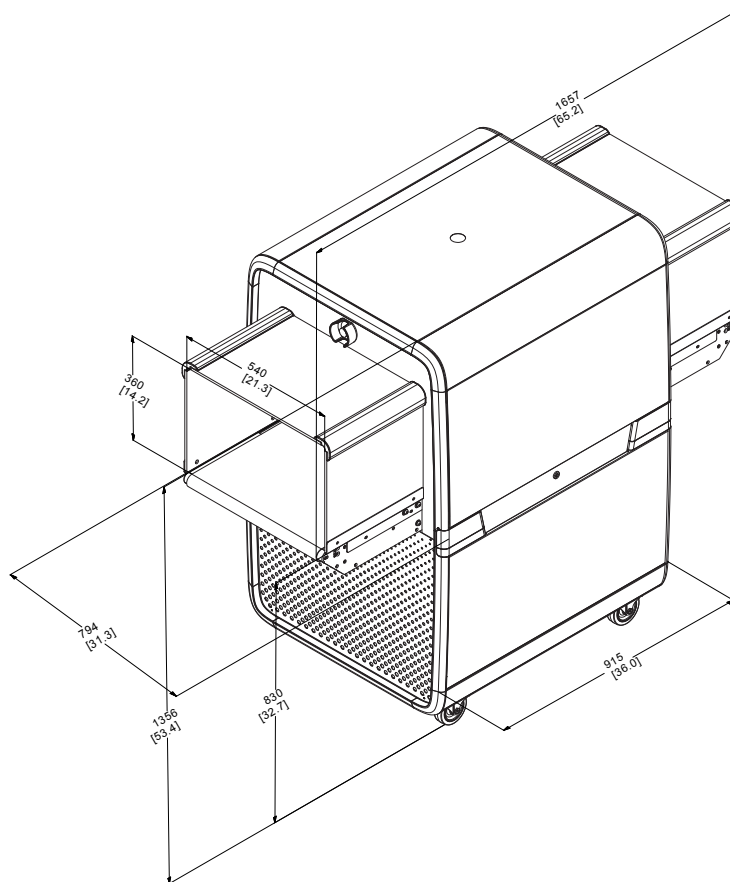
DUAL MODE Z_{EFF}

This feature helps operators identify organics accurately and quickly either in Range Mode which highlights the areas based on selected Z-effective numbers of 7, 8 or 9 by the operator, or in Interactive Mode which gives the operator the option to display the Z-effective number in all the areas of the scanned item based on the value of the pixel. Orion™ family are the only systems in industry that can support both Range Mode and Interactive Mode.

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, (EU) No. 185/2010 and commissions decision C(2010)774 for aviation security in the European Union.

1657
[65.2]

540
[21.3]

360
[14.2]

794
[31.3]

1356
[53.4]

830
[32.7]

915
[36.0]

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)		414 Kg (913 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 PENETRATION	40 AWG typical, 38 AWG standard

X-RAY GENERATOR

ANODE VOLTAGE:	140kV
ORIENTATION	Diagonally Upward

HIGH SPEED OPTION

CONVEYOR SPEED	0.35m/sec (68.9 ft/min)

GOVERNMENT REGULATORY

Regulation (EC) No. 300/2008 Compliant

Regulation (EU) No. 185/2010 Compliant

EU Commissions Decision C(2010) 774 Compliant

U.K Department for Transport (DfT) TIP Approved

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

13 Languages

64-bit Operating System

ScanOS™

64-bit Operating System

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