ORION™ 922 CX

DATASHEET

Rapiscan® systems
An OSI Systems Company

The new 922CX is a High Performance 750mm by 550mm tunnel checkpoint screening system with best in industry resolution and excellent threat detection alert capabilities for large carry-on baggage and parcels at the checkpoint.

INDUSTRY BEST WIRE & SPATIAL RESOLUTION

EXPLOSIVES & NARCOTICS DETECTION

LOW DENSITY IMAGE ENHANCEMENT

MATRIXING, NETWORKING & REMOTE VIEWING

UK
DfT
APPROVED

EC
300/2008
AVIATION COMPLIANT

SPECTRUM 4-COLOR IMAGING

922CX 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.
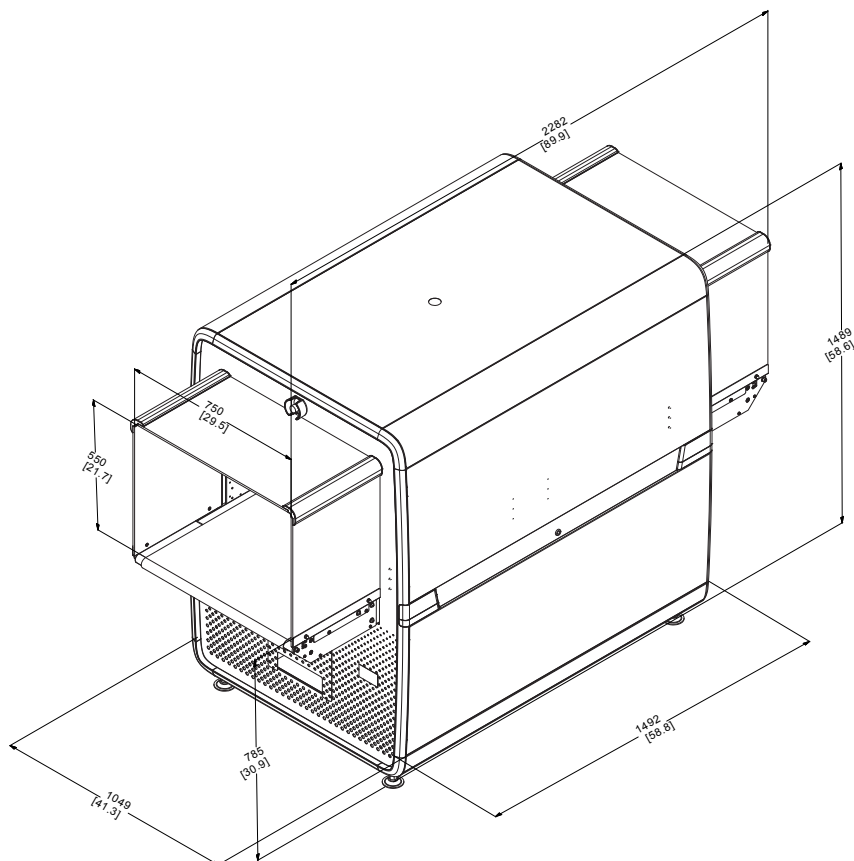
DUAL MODE Z$_{EFF}$

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

922CX 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.

2282 [89.9]
1489 [58.6]
750 [29.5]
550 [21.7]
785 [30.9]
1049 [41.3]
1492 [58.8]

PHYSICAL SPECIFICATIONS [1]

DIMENSIONS	L	2,282 mm (89.9 in)
	W	1,049 mm (41.3 in)
	H	1,489 mm (58.6 in)
TUNNEL SIZE	W	750 mm (29.4 in)
	H	550 mm (21.5 in)
CONVEYOR HEIGHT	785 mm (30.9 in.)	
WEIGHT (NET)	628 Kg (1,385 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	38 mm typical, 36 mm standard
WIRE PENETRATION	42 AWG typical, 41 AWG standard

HIGH SPEED OPTION

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

X-RAY GENERATOR

ANODE VOLTAGE:	160kV
ORIENTATION	Diagonally Upward

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

Multiplexing and Matrixing

Tray Return System Compatible

13 Languages

64-bit Operating System

ScanOS™
64-bit Operating System

info@rapiscansystems.com   www.rapiscansystems.com

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

DSBP-0003-922CX-184301