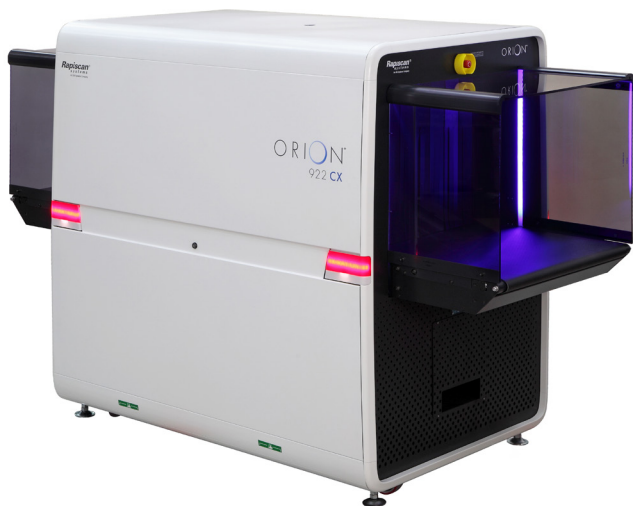# ORION® 922 CX

DATASHEET

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

EU 2015/1998 COMPLIANT

SPECTRUM 4-COLOR IMAGING

922CX 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

922CX is in full compliance with the latest requirements of Commission Implementing Regulation (EU) 2015/1998 of 5 November 2015 laying down detailed measures for the implementation of the common basic standards on aviation security.

2282 [89.9]

1489 [58.6]

750 [29.5]

550 [21.7]

785 [30.9]

1049 [41.3]

1492 [58.8]
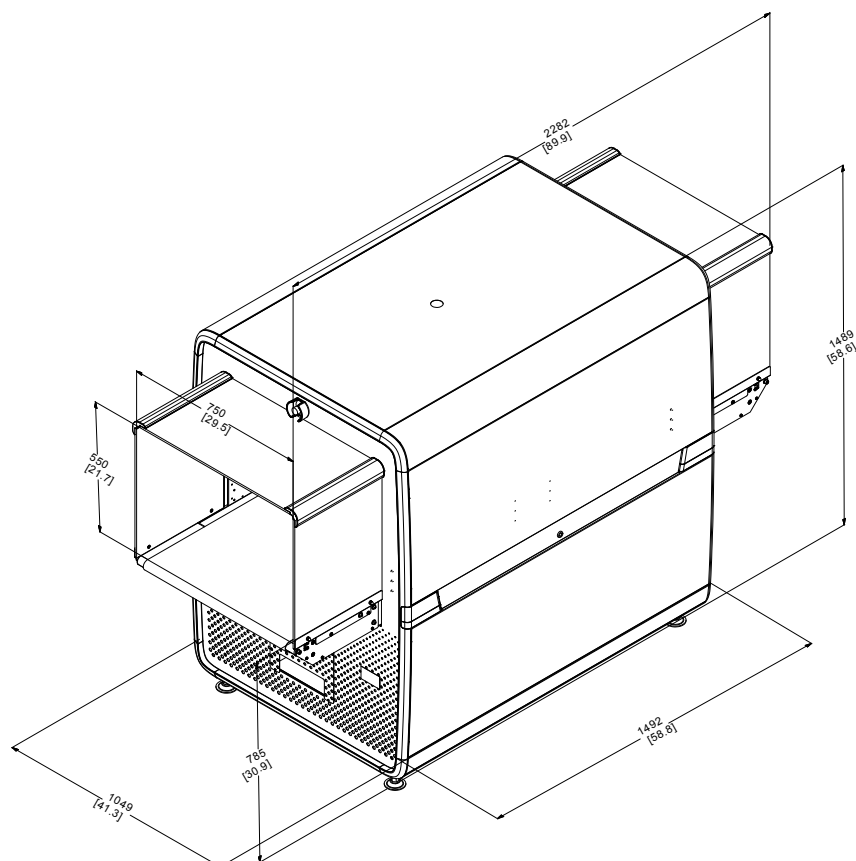
PHYSICAL SPECIFICATIONS [1]

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 RESOLUTION	42 AWG typical, 40 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	35 mm typical, 34 mm standard
WIRE RESOLUTION	42 AWG typical, 40 AWG standard
SPATIAL RESOLUTION	1.0 mm vertical & horizontal

X-RAY GENERATOR

ANODE VOLTAGE:	160kV
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

Multiplexing and Matrixing

Tray Return System Compatible

13 Languages

64-bit Operating System

ScanOS®

64-bit Operating System

Rapiscan® systems
An OSI Systems Company

DS-922CX-006