# ORION®
## 920 CX

**Rapiscan® systems**
An OSI Systems Company

**DATASHEET**

The new 920CX is a High Performance 620mm by 420mm tunnel checkpoint screening system with best in class image quality and excellent threat detection alert capabilities.

INDUSTRY BEST PENETRATION, 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

920CX 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.
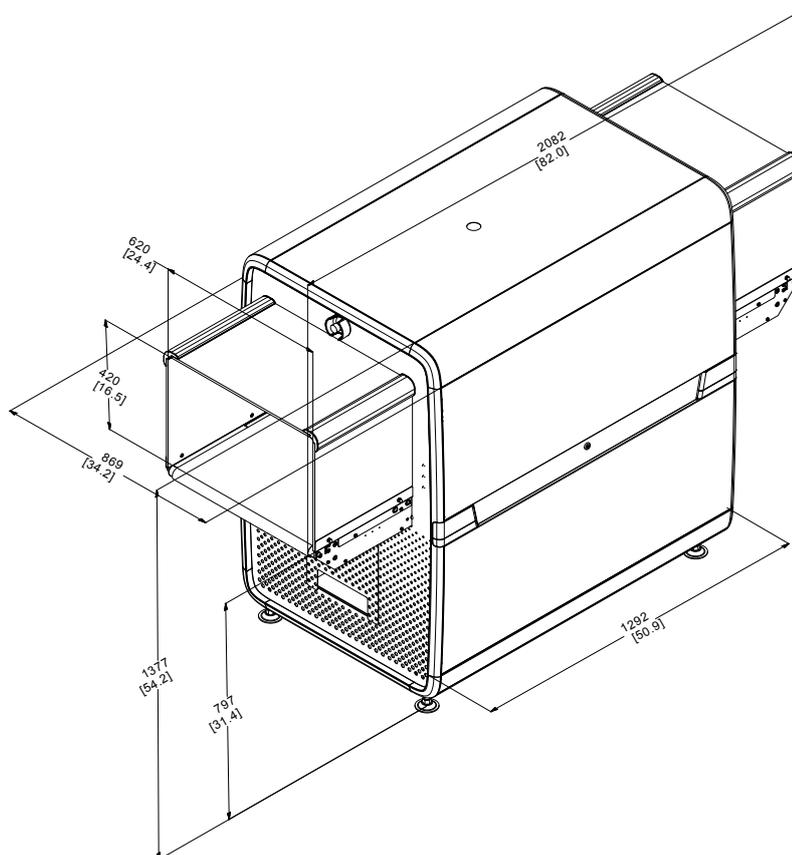
## DUAL MODE AUTO Z$_{EFF}$

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.

## EUROPEAN AVIATION COMPLIANCE

920CX 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]



2,082 [82.0]
620 [24.4]
420 [16.5]
869 [34.2]
1377 [54.2]
797 [31.4]
1292 [50.9]

## PHYSICAL SPECIFICATIONS [1]

| DIMENSIONS | L | 2,082 mm (82.0 in) |
|---|---|---|
| | W | 869 mm (34.2 in) |
| | H | 1,377 mm (54.2 in) |
| TUNNEL SIZE | W | 620 mm (24.4 in) |
| | H | 420 mm (16.5 in) |
| CONVEYOR HEIGHT | | 797 mm (31.4 in) |
| WEIGHT (NET) | | 537 Kg (1184 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 | 44 mm typical, 42 mm standard |
| WIRE RESOLUTION | 44 AWG typical, 42 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 | 40 AWG typical, 38 AWG standard |
| SPATIAL RESOLUTION | 0.8 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
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

1. Approximate Values    2. Stated performance as measured by Rapiscan® Imaging Validation Test Kit

DS-920CX-003