

Rapiscan ORION 920CX

High Performance x-Ray System



baggage & parcel

*inspection
technology*



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

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.

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.

EXPLOSIVES AND NARCOTICS DETECTION

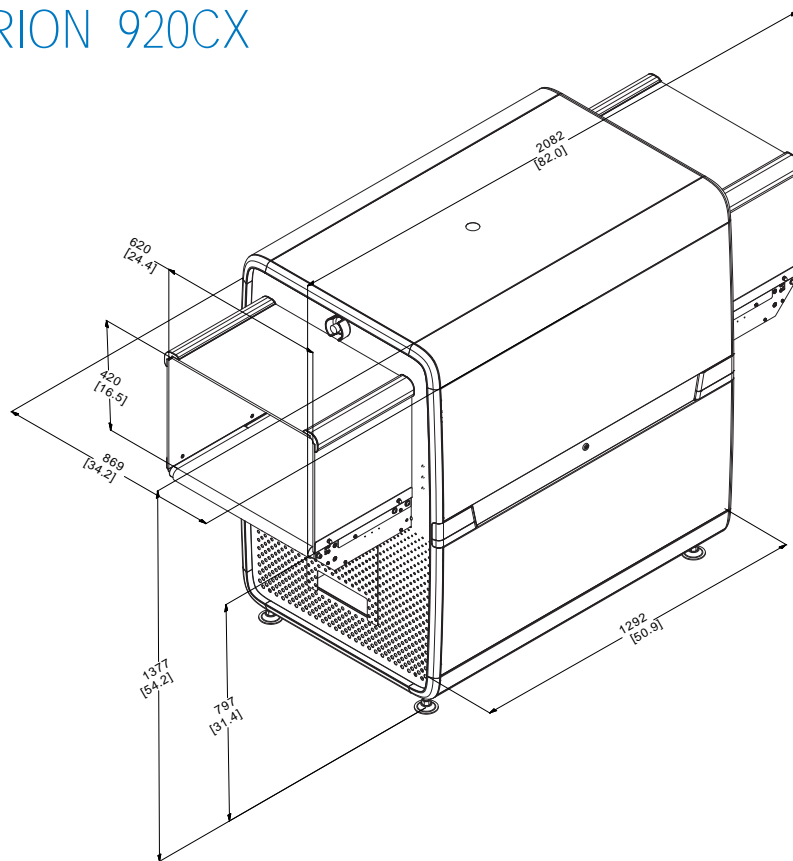
Target and NARCSan are designed to detect a wide range of explosives and narcotics respectively in real time during the scanning process by marking a potential threat on the X-ray image. Rapiscan® Systems detection algorithms are based on regulatory approved material analysis techniques.

EUROPEAN AVIATION COMPLIANCE

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.

- Industry Best Penetration, Wire and Spatial Resolution
- Explosives and Narcotics Detection
- Low Density Image Enhancement
- Matrixing, Networking and Remote Viewing

ORION 920CX



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

PHYSICAL SPECIFICATIONS¹

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 TEMP	-20°C to 50°C
OPERATING TEMP	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 SPEED¹	0.20 m/sec (39.4 ft/min)
CONVEYOR LOAD¹	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 SPEED¹	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

