

## Orleans Parish Sheriff's Office

### Technical Specification

#### OD Security North America - the SOTER RS Full Body Security Scanning System

##### Manufactured

USA

##### Features

Obstruction free gantry

YES - the SOTER RS is an open frame design with integrated collimator and x-ray source

Detects contraband - metallic, non metallic, organic and inorganic items

YES

Low radiation with each single inspection

YES - compliant to ANSI 43.17-2009 General Use and Limited Use

Steel platform certified to a maximum carrying weight

YES - certified to 660lbs

##### General

Scan area

81.9x29.9in (190x76cm) to capture head to toe

Scanning Time

Under 8 seconds

Detector

1344 Detector Units

Penetration (steel)

1.18in (30mm)

Operating System

Microsoft Windows 7 embedded

##### Resolution

Spatial

33 AWG (0.18mm)  
(Pertaining to three dimensional space)

##### Generator

Configuration

Monoblock oil cooled design - 600w bespoke unit designed and manufactured by Spellman (US)  
(rated to 6,000,000 images)

Anode Voltage

160kV

##### Dose/Inspection

Dose

Variable dose setting functionality as standard from 0.05uSv -1.75uSv

##### Imaging System

Monitor	24in HD Multi-Touch Screen with scroll and zoom functionality 1920 x 1080 pixels HDMI output cable		
Grayscale	65,000 (image)		
Local Storage	960,000 images 1TB Hard Drive, Mirrored with 1TB Backup Drive		
Interface	3 RS232 Serial Ports + 1 USB Port + 1 Ethernet Port		
<u>Image Visualization</u>	Real Time. Our recommendation is for each Operator to monitor the person being scanned before reviewing the image.		
<u>Power</u>	220V/110V, 50Hz/60Hz, 2kW Internal Step-up Transformer External Line Conditioner		
Uninterruptible power supply	APC Back-up 500VA		
<u>System Weight and Dimensions</u>	1984lbs - Delta Frame lead-lined for complete radiation safety 98.4in h 116.1in l 72.8in w	B-SCAN 1941lbs 99.4in h 101.8in l 76.9in w	SecurPass 1433lbs 105.2in h 89.4in l 86.1in w
<u>Installation access</u>	32" door opening accessible		