

# WG IS100XDX

## Dual View Low Conveyor X-Ray Large Baggage and Parcel Scanner

Product Code: 1020-04-4



WESTMINSTER  
GROUP PLC

### Key Features



Dual 180 kV Generators



High Image Resolution with 24-Bit Colour



Real-Time Image Manipulation



37 mm Steel Penetration



Real-Time Self Diagnostics



6 Colour Imaging



### Overview

The WG IS100XDX is a dual-view X-Ray Inspection System designed for screening heavy baggage at airports and cargo facilities.

It is equipped with a low conveyor 30 cm (12.0") above the ground, convenient for loading and unloading freight.

For high penetration and image resolution, the WG IS100XDX is equipped with dual generators that provide operators with two separate views of scanned objects, from the top and from the side.

Each view can be manipulated independently, making it easy to perform reliable and conclusive inspections. The side shooter is detachable, for easy relocation.

Combined with best-in-class software, the WG IS100XDX recognises objects, identifies materials, and isolates threats with greater speed and accuracy.

### Features

Dual 180kV Generators with Detachable Side Shooter

High Image Resolution with 24-Bit Colour

Enhanced Material Discrimination

Windows Operating System with Intel® Core Processor

Real-time Diagnostics

Picture Perfect Image Analysis

# WG IS100XDX

Dual View Low Conveyor X-Ray Large Baggage and Parcel Scanner



**WESTMINSTER**  
GROUP PLC

## General Specifications

<b>Conveyor Capacity evenly distributed</b>	200 kg
<b>Conveyor Height</b>	30.0 cm from Floor
<b>Conveyor Speed</b>	23 cm/ s Forward or Reverse
<b>Dimensions</b>	L313.8cm x W183.2cm x H188.6cm
<b>Net Weight</b>	1605 kg
<b>Shipping Weight</b>	1845kg
<b>Tunnel Size</b>	W100.0cm x H100.0cm

## Technical Specifications

<b>Steel Penetration</b>	37 mm Typical, 35 mm Standard
<b>Wire Resolution</b>	40 AWG Typical, 38 AWG Standard

## X-Ray Generator & Image Performance

<b>Beam Direction – View 1</b>	Diagonally Downward
<b>Beam Direction – View 2</b>	Horizontally Sideward
<b>Cooling</b>	Sealed Di-electric Oil Bath with Forced Air
<b>Duty Cycle</b>	100%, No Warm-up Procedure Required
<b>Tube Current</b>	Dual 1.0mA
<b>Voltage</b>	Dual 180kV, Operating at 165kV

## Computer & Video

<b>Backup</b>	Uninterrupted Power Supply (UPS)
<b>Display Resolution</b>	1600 x 1200; 24 Bit/ Pixel Colour
<b>Display Type</b>	Dual 24" Flat Panel Colour Monitors
<b>Platform</b>	Windows OS

## Environmental

<b>Humidity</b>	Up to 95% Non-condensing
<b>Operating Temperature</b>	0°C to 40°C
<b>Storage Temperature</b>	-20°C to 60°C

## Electrical

<b>System Power</b>	110 VAC +/- 10% 50/60Hz, 15 Amp max, 220VAC +/- 10% 50/60Hz, 10 Amp max
---------------------	---

## Health and Safety

Compliant with USFDA Centre for Devices and Radiation Health Standards for Cabinet X-Ray Systems (21-CFR 1020.40)  
Typical radiation leakage is less than 0.1 mR/hr  
(Leakage less than 0.5 mR/hr permitted by U.S. Federal Standards)

## Standard Features

- 6 Colour Imaging
- Colour and Black & White Imaging
- Geometric Image Distortion Correction
- High Penetration Function
- Organic/ Inorganic Imaging
- Picture Perfect
- Pseudo Colour
- Real-time Image Manipulation
- Reverse Monochrome
- Atomic Z-number Measurement
- Material Discrimination
- 9 Quadrant Zoom
- Continuous Scanning
- Continuous Zoom up to 64x
- Vertical Zoom Panning
- Auto Image Archiving
- Image Review
- Save Image (RGB)
- Image Annotation
- JPEG Conversion
- Print Image Capable
- Multi-tier Accessibility
- Network Ready
- Real-time Self Diagnostics
- Baggage Counter

## Optional Features

- Barcode Scanning
- Density Alert
- Local Language
- Safe Passage Computer Based Training
- Screener Assist Software
- Test Case
- Threat Image Projection (TIP) software
- Custom Paint
- Entry/ Exit Roller Tables
- Environmental Kit
- Foot Mat Operator Interlock
- Mobility Kit
- Radiation Meter
- Heavy Duty Casters
- Remote Workstation Configuration

