WG IS1818DV 200kV Dual View

Pallet and Cargo X-Ray Scanner

Product Code: 1040–04

WESTMINSTER
GROUP PLC

Key Features

≈ **Dual View 200kV Generators**

👁 **High Image Resolution with 24-Bit Colour**

⏱ **Real-Time Image Manipulation**

◎ **52 mm Steel Penetration**

⚙ **3,000 Capacity Roller Conveyor**

◠ **6 Colour Imaging**

Overview

The aviation standard WG IS1818DV Dual View 200kV X–Ray Pallet and Cargo X–Ray Scanner is designed for screening cargo at customs facilities, airports, ports, logistics centres and military bases.

The system provides operators with two image views of the scanned objects from the top and from the side. Each view can be manipulated independently, ensuring detailed and reliable inspections of tightly-packed cargo pallets.

Its heavy roller bed with a capacity of 3,000 kg is only 38.3 cm above the floor, making it convenient for loading and unloading freight.

The system provides operators with two image views of the scanned objects from the top and from the side. Each view can be manipulated independently, ensuring detailed and reliable inspections of tightly-packed cargo pallets.

6 Colour imaging allows the operators to recognise objects, identify materials, and isolate threats with greater speed and accuracy.

Features

Dual View X–Ray Imaging

200 kV Dual Generators

180 cm x 180 cm Tunnel

6 Colour Imaging

Real–Time Diagnostics

Picture Perfect Image Analysis

WG IS1818DV Dual View 200kV

Pallet and Cargo X-Ray Scanner

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General Specifications

Roller Bed Capacity	3,000 kg
Roller Bed Height	38.3 cm from Floor
Roller Bed Speed	20 cm/s Forward or Reverse
Dimensions	L853.1cm x W289.6cm x H316.8cm
Net Weight	5,800 kg
Shipping Weight	7,300 kg
Tunnel Size	180.7cm x 180.4cm

Technical Specifications

Steel Penetration	52 mm Typical, 50 mm Standard
Wire Resolution	40 AWG Typical, 38 AWG Standard

X-Ray Generator & Image Performance

Beam Direction	Horizontally Sideward, Vertically Downward
Duty Cycle	100%, No Warm-up Procedure Required
Tube Current	Dual 1.0 mA
Voltage	Dual 200 kV Generators
Detector	4,864 Channels in an L-Shaped Array

Computer & Video

Backup	Uninterrupted Power Supply (UPS)
Display Resolution	1,600 x 1,200; 24 Bit/ Pixel Colour
Display Type	Dual 24" Flat Panel Colour Monitors
Platform	Windows OS

Environmental

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

Electrical

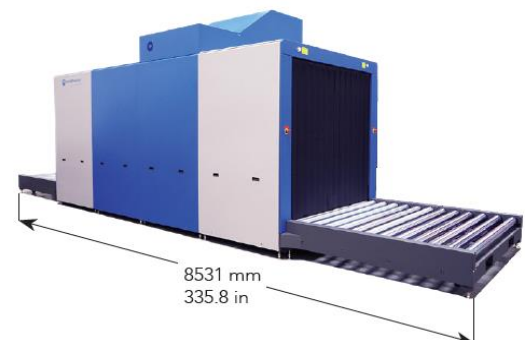|	
System Power	110 VAC +/- 10% 50/60Hz, 20 Amp max, 220VAC +/- 10% 50/60Hz, 15 Amp max

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	Optional Features
6 Colour Imaging	Barcode Scanning
Colour and Black & White Imaging	Density Alert
Geometric Image Distortion Correction	Local Language
High Penetration Function	Safe Passage Computer Based Training
Organic/ Inorganic Imaging	Screener Assist Software
Picture Perfect	Test Case
Pseudo Colour	Threat Image Projection (TIP) software
Real-time Image Manipulation	Custom Paint
Reverse Monochrome	Entry/ Exit Roller Tables
Atomic Z-number Measurement	Environmental Kit
Material Discrimination	Foot Mat Operator Interlock
9 Quadrant Zoom	Remote Workstation Configuration
Continuous Scanning	Radiation Meter
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	

2896 mm / 114 in
3168 mm / 124.7 in
1989 mm / 78.3 in
8531 mm / 335.8 in

WG IS1818DV Dual View 320kV

Pallet and Cargo X-Ray Scanner

Product Code: 1040–04–2

WESTMINSTER
GROUP PLC

Key Features

Dual 320kV Generators

High Image Resolution with 24–Bit Colour

Real–Time Image Manipulation

80 mm Steel Penetration

3,000 kg Capacity Roller Conveyor

6 Colour Imaging

Overview

The WG IS1818DV Dual View 320kV X–Ray Pallet and Cargo X–Ray Scanner is designed for screening cargo at customs facilities, airports, ports, logistics centres and military bases.

The system provides operators with two image views of the scanned objects from the top and from the side. Each view can be manipulated independently, ensuring detailed and reliable inspections of tightly–packed cargo pallets.

Its heavy roller bed with a capacity of 3,000 kg is only 38.1 cm above the floor, making it convenient for loading and unloading freight.

With best–in–class software, operators are able to utilise colourful, high contrast filters to identify materials, recognise objects, and isolate threats with better speed and accuracy.

The scanner has 6 colour Imaging, which enables operators to view screened objects in 6 colours, each colour correlating to a specific range of Atomic Z–Numbers. 6 Colour Imaging enables operators to achieve optimal material identification which serves to improve throughputs.

Features

Dual View X–Ray Imaging

320 kV Dual Generators

180 cm x 180 cm Tunnel

6 Colour Imaging

Real–Time Diagnostics

Picture Perfect Image Analysis

WG IS1818DV Dual View 320kV

Pallet and Cargo X-Ray Scanner

WESTMINSTER GROUP PLC

General Specifications

Roller Bed Capacity	3,000 kg
Roller Bed Height	38.1 cm from Floor
Roller Bed Speed	20 cm/s Forward or Reverse
Dimensions	L1069.4cm x W310.5cm x H314.3cm
Net Weight	16,000 kg
Shipping Weight	20,000 kg
Tunnel Size	181.1xmm x 180.5cm

Technical Specifications

Steel Penetration	80 mm Typical, 75 mm Standard
Wire Resolution	40 AWG Typical, 38 AWG Standard

X-Ray Generator & Image Performance

Beam Direction	Horizontally Sideward, Vertically Downward
Cooling	Integrated Cooler Unit with Forced Air
Tube Current	Dual 7.0 mA
Voltage	Dual 320kV Generators
Detector	4992 Channels in an L-Shaped Array

Computer & Video

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

Environmental

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

Electrical

System Power	220VAC +/- 10% 50/60Hz, 100 Amp Min.

Standard Features	Optional Features
6 Colour Imaging	Barcode Scanning
Colour and Black & White Imaging	Density Alert
Geometric Image Distortion Correction	Local Language
High Penetration Function	Safe Passage Computer Based Training
Organic/ Inorganic Imaging	Screener Assist Software
Picture Perfect	Test Case
Pseudo Colour	Threat Image Projection (TIP) software
Real-time Image Manipulation	Custom Paint
Reverse Monochrome	Entry/ Exit Roller Tables
Atomic Z-number Measurement	Environmental Kit
Material Discrimination	Foot Mat Operator Interlock
9 Quadrant Zoom	Remote Workstation Configuration
Continuous Scanning	Radiation Meter
Continuous Zoom up to 64x	Computer Based Training (CBT)
Vertical Zoom Panning	
Auto Image Archiving	
Image Review	
Manual Bitmap Archive	
Image Annotation	
Print Image Capable	
Multi-tier Accessibility	
Network Ready	
Real-time Self Diagnostics	
Baggage Counter	

Health and Safety

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