

WG IS1818DV 200kV Dual View Pallet & Cargo X-Ray Scanner



WESTMINSTER
GROUP PLC

Product Code: 1040-04

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 38.1 cm above the floor, making it convenient for loading and unloading freight.

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
- 200 kV Dual Generators
- 180 cm x 180 cm Tunnel
- 6 Colour Imaging
- Real-Time Diagnostics
- Picture Perfect Image Analysis

WG IS1818DV 200kV Dual View Pallet & Cargo X-Ray Scanner



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Specifications

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: L853.1 cm x W289.6 cm x H316.8 cm
- Net Weight: 5,800 kg
- Shipping Weight: 7,300 kg
- Tunnel Size: 180.7 cm x 180.4 cm

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 & Safety

- Compliant with USFDA, Center 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 the Federal Standard)

Features

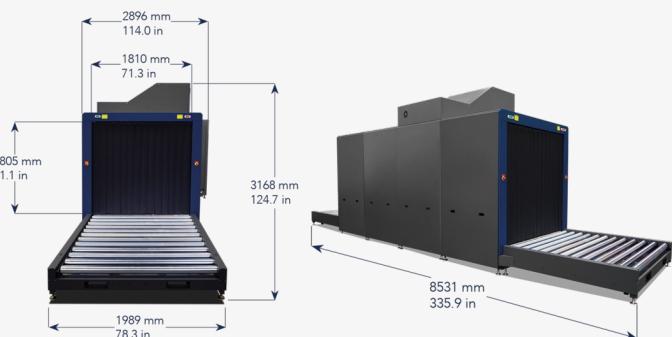
Standard

- 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

- 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
- Remote Workstation Configuration
- Radiation Meter

Product Dimensions



WG IS1818DV Dual View 320kV Pallet & Cargo X-Ray Scanner



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Product Code: 1040-04-2

Key Features



Dual 320kV Generators



High Image Resolution with 24-Bit Colour



Real-Time Image Manipulation



80 mm Steel Penetration



3,000 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.

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 & Cargo X-Ray Scanner



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Specifications

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: L1069.4 cm x W310.5 cm x H314.3 cm
- Net Weight: 16,000 kg
- Shipping Weight: 20,000 kg
- Tunnel Size: 181.1 x mm x 180.5 cm

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: 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: 220VAC +/- 10% 50/60Hz, 15 Amp max

Health & Safety

- Compliant with USFDA, Center 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 the Federal Standard)

Features

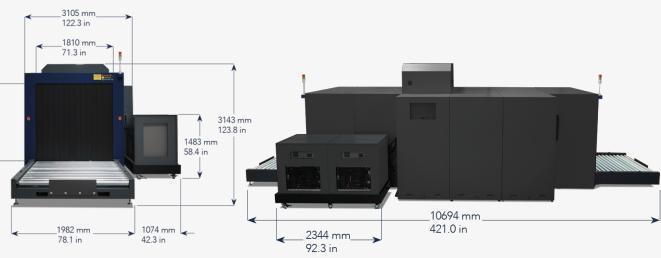
Standard

- 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
- Manual Bitmap Archive
- Image Annotation
- Print Image Capable
- Multi-tier Accessibility
- Network Ready
- Real-time Self Diagnostics
- Baggage Counter

Optional

- 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
- Remote Workstation Configuration
- Radiation Meter
- Computer Based Training (CBT)

Product Dimensions



WG IS1818DV 450kV Pallet & Cargo X-Ray Scanner



WESTMINSTER
GROUP PLC

Product Code: 1040-04-3

Key Features



450kV Generator



High Image Resolution with 24-Bit Colour



Real-Time Image Manipulation



100 mm Steel Penetration



3,000 kg Capacity Roller Conveyor



6 Colour Imaging



Overview

The WG IS1818DV 450kV Pallet and Cargo X-Ray Scanner has been designed for heavy cargo screening.

The ultimate cargo X-Ray Inspection system, features powerful dual 450kV generators that provide the best penetration and image resolution in its class.

With field proven reliability, comprehensive Real-Time Diagnostics providing as standard 3 & 6 colour imaging. Continuous zoom up to 64x and real time image manipulation.

WG IS1818 450kV Pallet & Cargo X-Ray Scanner



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Specifications	Features
General Specifications <ul style="list-style-type: none"> Dimensions: L1217.7cm x W443cm x H322cm Tunnel Size: 181.4 cm x 180.6 cm Conveyor Speed: 20cm/s Conveyor Height: 35cm from floor Conveyor Capacity: 3000 kg (evenly distributed load) 	Standard <ul style="list-style-type: none"> 3&6 Colour Imaging Colour and Black & White Imaging Enhanced Imaging High penetration function Organic/Inorganic Imaging Pseudo Colour Reverse Monochrome Atomic Z Number Measurement Geometric Image Distortion Correction Material Discrimination Vertical Panning
Technical Specifications <ul style="list-style-type: none"> Steel Penetration: 110 mm Typical, 100 mm Standard Wire Resolution: 32 AWG Typical, 28 AWG Standard 	Standard <ul style="list-style-type: none"> Real-Time Image Manipulation Software Pedestal Auto Image Archiving Manual Bitmap Archive Baggage Counter Multi-Tier Accessibility Network ready Print Image Capable Real-Time Self Diagnostics 9 Quadrant Zoom Continuous Zoom upto 64x
X-Ray Generator & Image Performance <ul style="list-style-type: none"> Beam Direction: Horizontally Sideward, Vertically Downward Duty Cycle: 100%, No warm-up procedure required Voltage: Dual 450kV Generators 	Optional <ul style="list-style-type: none"> Barcode Scanning Computer Based Training (CBT) Density Alter Local Language Safe Passage CBT Screener Assist Software Test Case Threat Imaging Projection (TIP)
Computer & Video <ul style="list-style-type: none"> 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 	Optional <ul style="list-style-type: none"> Conveyor Capacity Load Increase External USB Port Variable Conveyor Speed Custom Paint Entry/Exit Roller table Environment Kit Footmat Operator Interlock Radiation Meter Remove Workstation Configuration
Environmental <ul style="list-style-type: none"> Humidity: Up to 95% non-condensing Operating Temperature: 0°C to 40°C Storage Temperature: -20°C to 60°C 	Product Dimensions
Health & Safety <ul style="list-style-type: none"> Compliant with USFDA, Center 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 the Federal Standard) 	