WG IS6040 X-Ray Small Baggage & Parcel Scanner

Product Code:1010-11

Key Features

- **160 kV Generator**
- **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 IS6040 X-Ray Small Baggage & Parcel Scanner has been designed for screening Hand Baggage, such as backpacks and purses, and small parcels.

High-resolution scans and best-in-class software allows operators to recognise objects, identify materials, and isolate threats with greater speed and accuracy.

The optional AI software detects guns and knives with incredible precision and accuracy. Fully-integrated, the AI automatically stops the belt when it detects a threat and isolates it with a coloured box on-screen, for an unmatched level of safety.

With greater clarity and material discrimination, the scanner increases throughput and accuracy, making it the perfect solution for customs, law enforcement, aviation, and infrastructure.

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 throughput.

Features

- High Image Resolution with 24-Bit Colour
- Enhanced Material Discrimination
- Optional AI Software
- Real-Time Self Diagnostics
- Picture perfect image analysis

General Specifications

Conveyor Capacity evenly distributed	165 kg
Conveyor Height	71.6 cm from floor
Conveyor Speed	23 cm/ s forward or reverse
Dimensions	L143.3cm x W84.6cm x H124.5cm
Net Weight	370 kg
Shipping Weight	490 kg
Tunnel Size	W60.0cm x H40.0cm

Technical Specifications

Steel Penetration	39 mm Typical, 37 mm Standard
Wire Resolution	40 AWG Typical, 38 AWG Standard

X-Ray Generator & Image Performance

Beam Direction	Diagonally upward
Cooling	Sealed Di-electric oil bath with forced air
Duty Cycle	100%, No warm-up procedure required
Tube Current	0.7mA
Voltage	160kV, Operating at 150kV

Computer & Video

Power Conditioner	Automated Voltage Regulator, 600VA
Display Resolution	1280 x 1024; 24 bit/ pixel colour
Display Type	19" flat panel colour monitor
Memory	4 GB RAM
Platform	Windows OS
Storage Capacity	1 TB HDD, 240 GB SSD

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

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 Protection (TIP) software
Real-time image manipulation	24" flat panel monitor
Reverse monochrome	Custom paint
Atomic Z-number measurement	Environmental kit
Material discrimination	Entry/ exit roller tables
9 quadrant zoom	Footmat operator interlock
Continuous scanning	Heavy duty casters
Continuous zoom up to 64x	Mobility kit
Vertical zoom panning	Radiation meter
Auto image archiving	Remote workstation configuration
Image review	Uninterruptible power supply (UPS)
Save image (RGB)	Dual monitors (19" or 24")
Image annotation	Sloped conveyor
JPEG conversion	8 colour imaging
Print image capable	Enhanced imaging mode
Multi-tier accessibility	AI Software
Network ready	
Real-time self diagnostics	
Baggage counter	

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 U.S. Federal Standards)

Generator Upgrade

Upgrade to 180kV Generator

Penetration:	41 mm Steel Typical, 39 mm Standard
ASTM F792	Test 1: 40 AWG4 Test 3: 1 mm Horizontal/Vertical4 Test 4: 34 mm4