X-Ray Baggage Inspection System

AT6550

Features:

- Multilingual operation
- Automatic built in test and self-diagnosis
- Secure access Key
- Uninterruptable power supply (UPS)
- Threat alert and material classification
- Auto archiving
- Network-Ready
- Energy saving design
- One key turn-off
- Drugs and explosives inspection
- Indication of the date and time
- baggage counter

Technical Specifications:

Tunnel size(mm)	658(L)*500(W)
Conveyor Speed(m/s)	0.2
Conveyor height(mm)	695
Conveyor Max Load(kgs)	150
X ray dose per each inspection	Typical 2.0 µGy, guarantee 2.5 µGy
X ray leakage	Typical 1.0 µGy/h, guarantee 1.5 µGy/h
Penetration	Typical 32mm, guarantee 30mm
Wire Resolution	Typical AWG38, guarantee AWG36
Penetration Resolution	Typical AWG32, guarantee AWG30
Spatial resolution	Typical dia1.0mm, Vertical: dia1.0mm; Guarantee dia1.3mm Vertical: dia1.3mm
Power Consumption	0.8KVA
Noise	< 60 dB
Film Safety	Guarantee ASA/ISO1600 Film
Image System	
X-ray Sensor	L-Shaped Photodiode Array (multi-energetic), 12bit Deep
Image Display	High resolution of 1024 * 1280-pixel, Image Grey Level: 4096
Image Enhancement	1-64times enlargement continuity, Color/BW, negative, high/low penetration, organic /inorganic Stripping, general enhancement, and pseudo color, etc.
Image Recall	All preceding images recallable, retrieval
Explosives & Narcotics Detection	Explosives & narcotics alarm and highlight according to atomic number signature
High Density Region Alarm	impenetrable region alarm and highlight, for possible concealing of threats and contrabands
Threat Image Projection	Inserting fictional, but realistic images of threat items into baggage during screening operation, for maintenance of vigilance, as well as training and assessment of image identification capability
Image Archive	Up to 200,000 images stored automatically, enable transferring to USB disk, and converting to JPG, BMP and other general formats

Miscellaneous Functions	Time/date display, counters, user management, system-on/X-ray-on timers, power on self test, built-in diagnostic facilities, dual-direction scanning, system log, system standby and stimulant training, ADS etc.
Network Applications	Multiple remote applications available based on Ethernet LAN and windows platform, such as image centralized storage and identify, recheck workstation, and network TIP, etc (Optional).
Images process	24bit real time processing ,4colors analysis, Images displayed marked date and ID NO, Count the number of bags
X-ray Generator (single)	
Anode Voltage	140 KV
Anode Current	0.5mA
Generate angle	80 degree upward
Generate direct	from bottom to top
Cooling / Duty Cycle	Oil Cooling /100%
Computer and other	
Monitor	High Resolution Color, LCD Accord, 17inch
Hard Disk	SEAGATE 500G 3.5"
CPU	G1610 2.6G
Storage	2GB 1600MHz DDR3 Innodisk
Main board	H61 SYM76993VGGA
Physical Specifications	
Unit weight (kgs)	475
Unit size (mm)	2195(L)*902(W)*1362(H)
Gross weight (kgs)	530
Packing size	1. 236*110*163cm 2. 86*87*142cm
Operating Environment	
Operation temperature/Humidity	0℃-45℃ / 5%-95%(non-condensing)
Storage Temperature/Humidity	-40℃to 70℃ / 5%-95%(non-condensing)
Operation Power	220VAC (±10%) 50±3Hz (Optional: 100VAC,110VAC,120VAC,200VAC)
UPS	15mins, 30mins, 60mins etc, optional