

X-Ray Baggage Scanner

MD-6040

Product highlights

- * Multilingual operation
- * Automatic built in test and self diagnosis
- * Secure access Key
- * Uninterruptable power supply
- * 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



Physical Specifications	
Unit weight (kgs)	390
Unit size (mm)	2184(L)*965(W)*1315(H)
after packed in wooden pallet -	
Net weight (kgs)	390
Gross weight (kgs)	430
Packing size	237*105*165cm

General Specifications	
Tunnel size(mm)	600(L)*400(W)
Conveyor Speed(m/s)	0.18 - 0.3
Conveyor height(mm)	72.9cm(28.7") from floor
Conveyor Max Load(kgs)	200 Kg or more distributed evenly
Sensitivity	38 AWG TyStandard
X ray dose per each inspection	1.5 μ Gy
X ray leakage	<0.25 μ Gy / h
Penetration	22-30mm steel Standard
Wire Resolution	dia 0.0787mm copper wire (AWG40)
Penetration Resolution	dia 0.202mm copper wire (AWG32) under three-step aluminum wedge 9.5mm, 15.9mm, 22.2mm
Spatial resolution:	Horizontal:dia1.0mm,Vertical: dia1.0mm

Power Consumption	0.5KW
Noise	56.3 dB
Film Safety	Guaranteed up to ISO 1600 (33 DIN)

X-ray Generator (single)	
Anode Voltage	120-140kV
Tube Current	Standard Mode-0.7 mA or better,High Penetration Mode-1.0 mA or better
Generate angle	80 degree upward
Generate direct	from bottom to top
Cooling / Duty Cycle	Sealed Di-Electric Oil Bath with Forced Air / 100%, No Warm-Up Procedure Required
Beam Direction	Diagonally Upward
Detector	1024 Channels in an L-Shaped Array
Brand	Saful

Image System	
X-ray Sensor	L-Shaped Photodiode Array (multi-energetic)
Image Display	High resolution of 1024 * 1280 pixel; 24 Visible Levels;24 Bit/Pixel Color; 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 150,000 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,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

Operating Environment

Operation temperature/Humidity	0°C-45°C / Up To 95% Non-Condensing
Storage Temperature/Humidity	-40°C to 70°C / Up To 95% Non-Condensing
Operation Power	110-220VAC ±10%, 50/60Hz, 15 Amp Max
UPS	3 KVA ,online with back-up time of 30 min to whole system.

Computer and other	
Monitor	High Resolution Color, LCD Accord, 19 or 24inches
Hard Disk	SEAGATE 500G 3.5"
Processor	Intel® Core i5
Video Card	2 GB Video Card
Platform	Windows® 7
Memory	8 GB RAM
Storage	1TB HDD, 120 GB SSD
Backup	Uninterruptible Power Supply (Computer Operation- 20min)

Compliance	
International	<ul style="list-style-type: none"> * ISO19001 ; ISO14001 ; OHSMS18001 ; * CE * USA FDA * Maximum X-ray leakage of less than 5 μSv/h(0.5mR/h) measured at 5cm from any external surface. (European standard - less than 1 μSv/h(0.1mR/h) measured at 10cm from any external surface)
National (China)	<ul style="list-style-type: none"> * Health Inspection Report * Computer Software Copyright Registration Certificate * Software Product Registration Certificate * Radiation Safety Certificate from Ministry of Public Security