Guardex

GRD-SF6550
X-RAY BAGGAGE SCANNER

■ Product highlights

* Multilingual operation
* Automatic built in test and self diagnosis
* Secure access Key
* Threat alert and material classification
* Auto archiving
* Energy saving design
* One key turn off
* Drugs and explosives inspection
* Indication of the date and time
* baggage counter
* The belt is 2 way moving

Physical Specifications

Unit weight (kgs)	420
Unit size (mm)	2195(L)*902(W)*1362(H)
after packed in wooden pallet -	
Gross weight (kgs)	650
Packing size	#1: 234*110*160cm

General Specifications

Tunnel size(mm)	650(L)*500(W)
Conveyor Speed(m/s)	0.22
Conveyor height(mm)	700
Conveyor Max Load(kgs)	150
X ray dose per each inspection	≤2μGy
X ray leakage	<1μGy/h at any point 5 centimeters outside the external surface
Penetration	10 mm Steel
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:dia 1.0mm, Vertical: dia 1.0mm
Power Consumption	max. 800W
Noise	<60 dB
Film Safety	Guarantee ASA/ISO1600 Film

X-ray Generator (single)

Anode Voltage	80 KV
Ray direction	Upward
Cooling / Duty Cycle	Sealed oil cooling /100%

Imaging System

X-ray Sensor	L-Shaped Photodiode Array, 12bit deep
Images process	24bit real time processing ,4colors analysis, Images displayed marked date and ID No., Count the number of bags
Image display	High resolution of 1920*1080 pixel; Image Grey Level: 65536
Image Enhancement	1-32 times enlargement continuity, Color/BW, negative, high/low penetration enhancement, brightening, darkening, gray level scan, super enhancement, elimination of organics/inorganics, local enhancement, pseudo color processing, edge enhancement, etc.
Explosives & Narcotics Detection	Suspicious organics highlight(atomic number Zeff=7,8,9)
Suspecious Alarm	Alarm and box line the suspicious objects including hard to penetrate material, explosives and drugs
Threat Image Projection(TIP)	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 Recall	30 images recallable
Image Archive	Up to 50,000 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, etc.
Options	Dual-direction scanning, inteligent roller, etc.

Operating Environment

Operation temperature/Humidity	5℃-40℃ / 0%-90%(non-condensing)
Storage Temperature/Humidity	-20℃to 60℃ / 10%-90%(non-condensing)
Operation Power	220VAC(±10%) 50±3Hz (Optional: 100VAC,110VAC,120VAC,200VAC)

UPS	Options: 15mins, 30mins, 60mins etc

Computer and other

Monitor	One 21.5-inch LCD monitor, 1920*1080, no console desk
RAM	1GB
Hard Disk	500G
Keyboard	Special designed
System	Embedded Linux operating system, multi core ARM, stable and reliable
Electric roller	Single-phase

Compliance

International	* ISO19001 ; ISO14001 ; OHSMS18001 ; * CE RoHS * FDA FCC

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