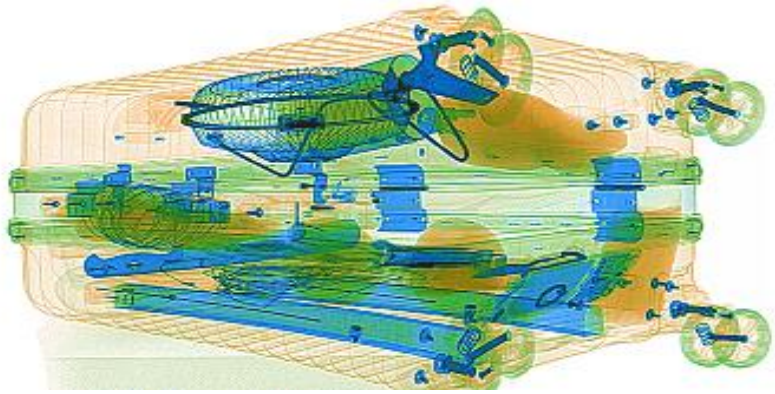
安天下 SAFEWAY SYSTEM

X-Ray Baggage Scanner
AT6550D

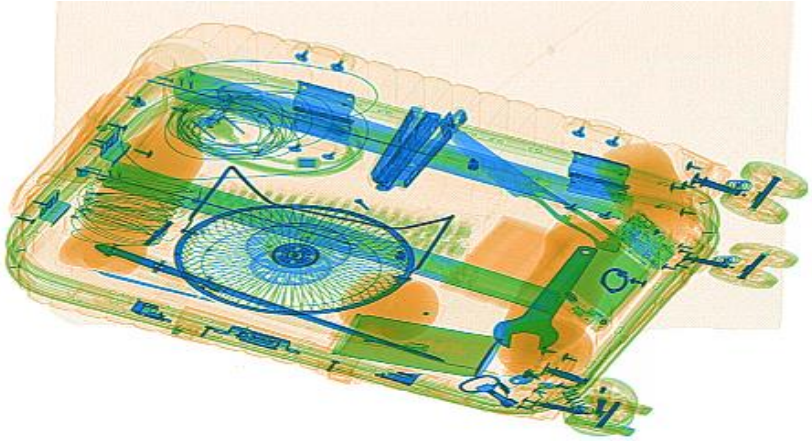
Hand baggage and parcles

The AT6550D is a popular x-ray inspection system with a tunnel opening of 66 cm x 50 cm. With the dual view technology, it shows clear images of both vertical and horizontal angles. It is used widely for screening hand baggage and parcels at all security sites, including airports and customs locations.



Product Highlights

* Dual view technology with images from two angles
* Radiation safe
* High resolution, high penetration and good image quality
* Multilingual operation
* Automatic built in test and self diagnosis
* High load-bearing capacity
* Threat alert and material classification
* Energy saving design
* One key turn off with patent
* Drugs and explosives detection



Physical Specifications

Tunnel size	660(W)*501(H) mm
Unit weight	740 kg
Unit size	2456(L)*1348(W)*1331(H) mm
after packed on wooden pallet -	
Gross weight	900
Packing size	#1: 262*147*156cm
	#2: 120*65*100cm

General Specifications

Conveyor Speed	0.22 m/s forward or backward
Conveyor height	669 mm
Conveyor capacity	150 kg
Frame design	304 stainless steel, 2-5 mm cold rolled plate and square steel, double-layer staggered lead impregnated safety curtain
X ray dose/inspection	≤4.8μSv
X ray leakage	≤1μSv/h at any point 5 cm outside the external surface. FDA standard is ≤5μSv/h
Steel penetration	34 mm guaranteed
Wire Resolution	Horizontal AWG38 / Vertical AWG36 guaranteed
Penetration Resolution	AWG32 guaranteed
Spatial resolution:	Horizontal view: 1.3mm Horizontal / Vertical
	Upward view: 1.0mm Horizontal / Vertical
Power Consumption	max. 1KW
Noise	<60 dB
Film Safety	Guarantee ASA/ISO1600 Film

X-ray Generator (Two)

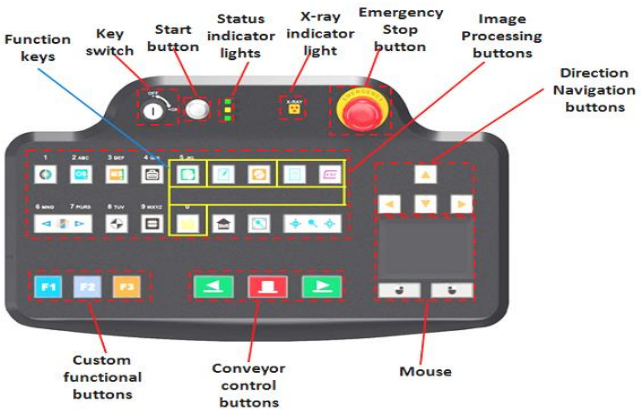
Anode Voltage	160 KV
Beam direction	Vertical and Horizontal
Cooling / Duty Cycle	Sealed oil cooling /100%

Computer and other

Monitor	Two 21.5-inch LCD monitors, 1920*1080
Console	One
CPU	Intel (R) i3 (R) 3.3GHz
RAM	4GB
Hard Disk	1T
Keyboard	Special designed
Platform	Windows 10
Electric roller	Three-phase

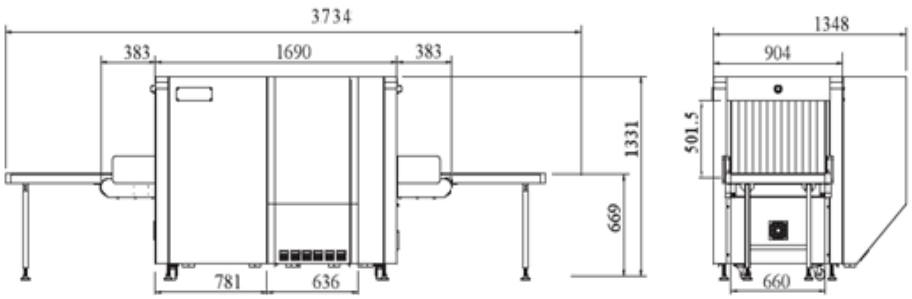
Operating Environment

Ops temperature /Humidity	5^{o}C-40^{o}C 0%-90%(non-condensing)
Storage Temperature /Humidity	-20^{o}C to 60^{o}C 10%-90%(non-condensing)
Operation Power	220V(+10% ~ -15%) 50±3Hz
	Options: 110-120V, 230-240V, 60Hz



Imaging System

Detector	2560 channels in two L-Shaped Arrays
Image processing	Color / black and white imaging, local enhancement, high penetration, low penetration, super enhancement, organic stripping, inorganic stripping, reverse color, brightening, darkening, gray level change/variable contrast, continuously zoom maximum 64x, pseudo color imaging, organics enhancement, suspicious item alarm and notation, edge enhancement imaging, 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 pullback	30 images
Image Archive	Up to 50,000 images stored automatically, enable transferring to USB disk, and converting to JPG, BMP and other formats
Miscellaneous Functions	Time/date display, counters, user management, system-on/x-ray-on timers, power on self test, built-in diagnostic facilities, bidirection scanning, forced scanning, image search and export, system setting, system log, system standby and stimulant training,etc.
Options	UPS, additional roller table, inteligent roller to sense the bag and move the belt, remote work station, network integration, video monitoring, etc.



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