



WOT DIGITAL SERVICES PRIVATE LIMITED

Address: 16, Street Address 1(A), Maruti Kunj, Bhondsi, Sohna Road, Gurugram, HR 122101

Mob: +91-9518203119 , Mail: info@wotdgroup.com , Url: <https://www.wotdgroup.com>

X-Ray Baggage Scanner

WTD-AT6550A

Product highlights

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



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) | 160 |
| X ray dose per each inspection | $\leq 2\mu\text{Gy}$ |
| X ray leakage | $<1\mu\text{Gy/h}$ at any point 5 centimeters outside the external surface |



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| | |
|------------------------|---|
| Penetration | 40 mm steel |
| Wire Resolution | dia 0.0787mm copper wire (AWG40) |
| Penetration Resolution | dia 0.202mm copper wire (AWG32) under three-step aluminium wedge 9.5mm, 15.9mm, 22.2mm |
| Spatial resolution: | Horizontal : dia 1.0mm, Vertical: dia 1.0mm |
| Power Consumption | max. 1.0KW |
| 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 1024 * 1280 pixel; Image Grey Level: 4096 |
| Image Enhancement | 1-16times 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) |
| Suspicious 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 10,000 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. |



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Operating Environment

| | |
|--------------------------------|---|
| Operation temperature/Humidity | -5°C-50°C / 0%-90%(non-condensing) |
| Storage Temperature/Humidity | -20°Cto 60°C / 10%-90%(non-condensing) |
| Operation Power | 220VAC(±10%) 50±3Hz (Optional: 100VAC,110VAC,120VAC,200VAC) |
| UPS | Options: 15mins, 30mins, 60mins etc |

WOT LTD

Computer and other

| | |
|-----------------|--|
| Monitor | High Resolution Color, 1280*1024 LCD Accord, 17inch |
| RAM | 1GB |
| 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 |
|---------------|---|

