# INFINITY

# X-Ray Baggage Scanner
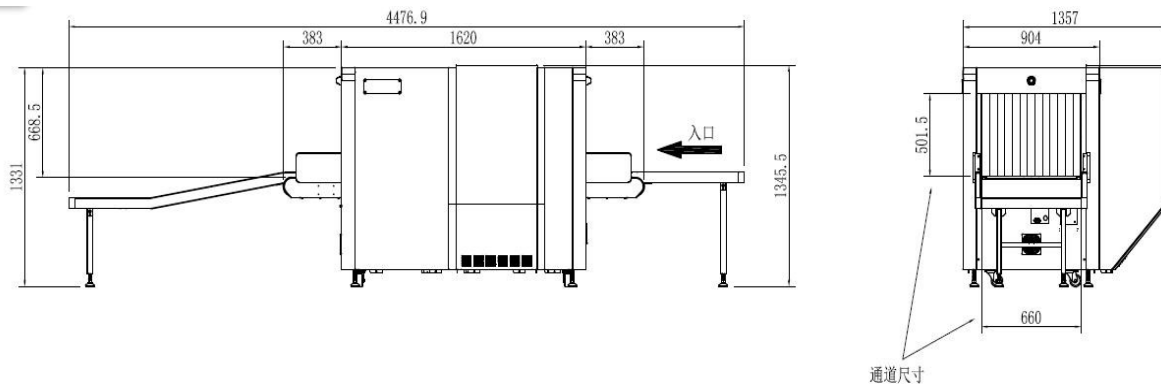## INF-XR03D



## ■ Product highlights

**\* Two view, two generators**

\* Multilingual operation

\* Automatic built in test and self diagnosis

\* Secure access Key

\* 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) | 750 |
| Unit size (mm) | 2386(L)x1357W)x1345.5(H) |
| after packed in wooden pallet - | |
| Gross weight (kgs) | 1000 |
| Packing size | #1: 275*155*180cm |
| | #2: 122*65*100cm |

## General Specifications

| General Specifications | |
|---|---|
| Tunnel size(mm) | 660(L)x501.5(W) |
| Conveyor Speed(m/s) | 0.2 |
| Conveyor height(mm) | 662.5 |
| Conveyor Max Load(kgs) | 150 |
| X ray dose per each | Typical 4.4 µGy, guarantee 5 µGy |
| X ray leakage | Typical 1.5 µGy/h, guarantee 2.0 µGy/h |
| Power Consumption | Max. 1.0KW |
| Noise | <60 dB |
| Film Safety | Guarantee ASA/ISO1600 Film |

## X-ray Generator (TWO)

| X-ray Generator (TWO) | |
|---|---|
| Anode Voltage | 160 KV |
| Anode power | 0.4-1.2mA (adjustable) |
| Generate direct | beam from side & beam from bottom to top |
| Cooling / Duty Cycle | Oil Cooling /100% |
| Brand | local made |

## Performance of X-Ray

| Performance of X-Ray | |
|---|---|
| Penetration | Typical 38mm, guarantee 34mm |
| Wire Resolution | Typical AWG40, guarantee AWG38 |
| Penetration Resolution | Typical AWG34, guarantee AWG32 |
| Spatial resolution: | Typical dia1.0mm,Vertical: dia1.0mm; Guarantee dia1.3mm,Vertical: dia1.3mm; |

## Performance of X-Ray

| Performance of X-Ray | |
|---|---|
| Penetration | Typical 40mm, guarantee 38mm |
| Wire Resolution | Typical AWG40, guarantee AWG38 |
| Penetration Resolution | Typical AWG34, guarantee AWG32 |
| Spatial resolution: | Typical dia1.0mm,Vertical: dia1.0mm; Guarantee dia1.3mm,Vertical: dia1.3mm; |

## Image System

| 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 |

| 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 |

| Computer and other | |
|---|---|
| Monitor | High Resolution Color, LCD Accord, 19inch |
| Hard Disk | SEAGATE 500G 3.5" |
| CPU | G1610 2.6G |