ISD-SG6550SA-2CL

Single-View and Single-Energy X-ray Intelligent Security Inspection System

The ISD-SG6550SA-2CL X-ray intelligent inspection system which combines functions such as intelligent recognition, package-package linkage, event traceback etc., better solve more problems such as under-detection caused by low security inspector concentration, and excessive stress during peak security check. The product is applicable to application scenarios such as airport, customs, railway, metro, prison, government office, commercial building, hotel, embassy, sports, culture events etc. It is applicable for security inspection of satchels, parcels, express wares, hand baggage and small-sized packages.

- **Intelligent Recognition:** Integrated with self-developed IPR deep learning recognition and X-ray imaging algorithm, better improving the recognition.
- **Networking:** Connect the HCP over network to manage the data for security inspection business.
- **Event Traceback:** Review the video that links with X-ray image to playback the situation at that time.
- **Audible and Visual Indicator:** Clearly warn the operators when the prohibited articles are detected.
- **Data Storage:** Review the video that links with X-ray image to playback the situation at that time.
- **Package-Package Correlation:** Link the X-ray image of the baggage with the picture of the tunnel camera.
- **Video-Package Correlation:** Link the X-ray image of the baggage with the video of the cameras.

▪ Specification

▪ Size	
Tunnel Size	650 mm(W) × 500 mm(H)
Dimension	2011 mm(L) × 887 mm(W) × 1300 mm(H)
▪ Performance	
Line Resolution[1]	36 AWG standard, 38 AWG typical
Penetration[1] (Steel)	6 mm standard, 10 mm typical
▪ X-ray Generator	
X-ray Generators	1
Anode Voltage / Current	80 kV / 0.6 mA(Adjustable)
Cooling / Working Cycle	Oil-cooling / Continuous
Orientation	Vertically upward
▪ Radiation	
External Dose Rate[2]	< 1.0 μSv/h (100mm away from the device surface)
Film Safety	Standard of ASA / ISO1600
▪ Conveyor	
Height	600 mm
Speed	0.2 m/s
Load	165Kg
▪ Monitoring System	
Sensor Type	1/2.8" Progressive Scan CMOS
Cameras	3-ch
Video Compression Standard	H.265 / H.264 / MJPEG
Max. Resolution	1920 × 1080
Video Storage Capability	More than 30 days
▪ Display	
Screen Size	21.5", single screen
Resolution	1920 × 1080
▪ Intelligent Functions	
AI Detection	7 categories with 15 types
Login Method	Password
▪ System Functions	
Standard	Time / Date, baggage counting, user management, log management, X-ray on time, power on self-test, enhanced scanning, system information management, built-in system diagnostics, standby mode, training, HCP, non-penetration alarm, etc.
▪ Image Processing Functions	
Image Enhancement	Color / Black & White(C/B&W), multi pseudo-color, multi-brightness, Negative, Absorptivity increase(ABS+), Absorptivity decrease(ABS-), Super Enhancement(SEN), Edge Enhancement(Edge) and Suspect materials enhancement(Z789), 64X zoom in and 3X image magnifier, etc.
Image Recall	Recall infinitely.
Image Storage Capability	100,000 +
▪ Device Parameters	
Power Consumption	Max. 0.6 KW
Power Supply	AC 220V (-15% to +10%) , 50Hz/60Hz (±3Hz) AC 110V (-15% to +10%) , 50Hz/60Hz (±3Hz)
Noise Level	60dB(A), 1000 mm away from the device surface
Operating Temperature / Humidity	5 °C to 40 °C / 10 % to 95 % (non-condensing)
Operating Temperature / Humidity	-20 °C to 60 °C / 0 % to 95 % (non-condensing)
Weight	Net: approx. 500 Kg

[1] **Stated performance as measured by HIKVISION Imaging Standard Test Piece.**

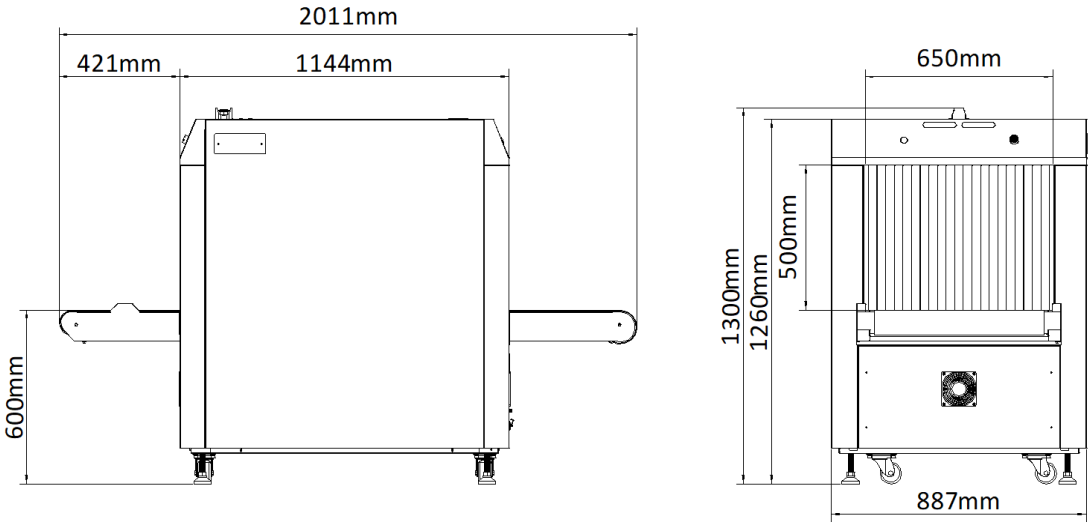
[2] **The X-ray leakage rate reaches the natural environment background level, well comply with USFDA requirements.**

▪ Available Model

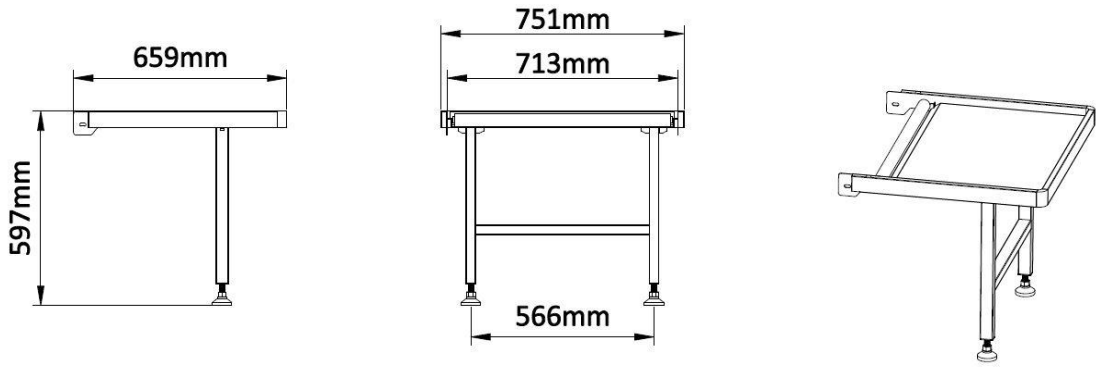
ISD-SG6550SA-2CL(220V)(set)(O-STD)
ISD-SG6550SA-2CL(110V)(set)(O-STD)

▪ Dimension

▪ X-ray security inspection system



▪ Exit Flat table



▪ Accessory

▪ Optional

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