

ISD-SC100100S-4CVL

Multi-energy X-ray intelligent Security Inspection System



ISD-SC100100S-4CVL multi-energy X-ray intelligent security inspection system integrates intelligent recognition, variable speed detection, face recognition and other functions, which can better solve the missed inspections caused by the low concentration of security personnel and the excessive pressure during peak security inspections and other issues. The product is suitable for government agencies, transportation hubs, logistics industries, courts, prosecutors, prisons, embassies, factories, schools, hospitals, stadiums, exhibition halls, entertainment venues and other scenes. Mainly used for security inspection of large packages.

- Advanced material properties identification technology can effectively identify the equivalent of atomic number of the item (such as metal and organics) and give a different color
- Intelligent recognition technology is a deep learning recognition algorithm with full independent intellectual property rights, which realizes the integration of intelligent recognition algorithm and X-ray imaging software, and achieves better recognition effect
- Radiation leakage reaches environmental level
- Speed can be changed according to the scene
- Double lead curtain design effectively reduce the radiation lead shade place
- Supports access to Hik-Central, and implement the data upload
- Data storage supports local storage, view and playback of the images and alarm information
- Event tracing can organically combine X-ray image with passenger video information to realize human package tracing
- Supports login with face and fingerprint authentication



▪ Specification

Model		ISD-SC100100S-4CVL
Size	Tunnel Size	1000 mm W×1000 mm H
	Dimension	3592mmx1360mmx1894mm (L x W x H)
	Operation Desk Size	850mmx700mmx1200mm (L x W x H)
Performance	Line Resolution	36AWG standard , 38AWG typical
	Penetration Steel panel	32mm standard, 34mm typical.
	Spatial Resolution	1.0mm(Horizontal and vertical typical)
	X-Ray Generator	160kV 1.2mA(Adjustable)
	X-Ray Cooling/Work Period	Oil Cooling/Continuous
	Film Security	Standard of ASA/ISO1600
Radiation	Leakage	< 5μGy/h, 10cm away from the device sheet
Conveyor	Conveyor Height	300mm
	Speed	0.2 m/s, 0.3 m/s, 0.4m/s adjustable
Monitoring System	Sensor Type	1/2.7" Progressive Scan CMOS
	Camera	4 ch
	Video Compression Standard	H.265 /H.264 / MJPEG
	Max. Image Size	1920× 1080
	Frame Rate	60Hz: 30fps (1920x1080,1280 x 960,1280 x 720)
	Storage Time	≥30 days
Intelligent Function	Prohibited Goods	41 classes in 15 major types
	Login Method	Face/ Fingerprint/ Password
Operation Desk	Screen Size	21.5", Single Screen,1920×1080
	Camera Image Size	1920 x 1080
General	Consumption	800W
	Power	AC220V+10%~-15% 50±3Hz
	Operating Humidity	0% to 95%(No Condensation)
	Operating Temperature	0°C to 45°C
	Weight	Net: 1300 kg(With rack and operating table gross weight 1500kg)

* Stated performance as measured by HIKVISION Imaging Standard Test Piece

▪ Available Model

ISD-SC100100S-4CVL	Main machine	X-Ray Intelligent Security Check Machine, 1 monitor, mouse, keyboard included.
	Exit table/ carrier	1.0 m exit Flat Carrier included, Entrance table optional



▪ Dimension



