



Introduction

Hikrayin ISD-CA6040D is a new generation dual-view X-ray inspection system specially designed for civil aviation application scenarios. It is suitable for carry-on luggage, 20-inch boarding suitcase, backpacks and parcel inspections. With dual-view configuration, the system can detect concealed threat objects more easily. The system is integrated with AI detection algorithm so that the system can automatically alarm on those threat objects. The standard installation height of the conveyor belt also makes it easier to be integrated with supplementary tray return systems or conveyor systems. This system is also perfect for Customs, railway stations, ports, stadiums, etc.

Features

- **HD Image Quality:** Based on dual-view advanced X-ray technology which also integrates with HD image algorithm, to achieve top-level resolution image quality to meet high-level security and operational effectiveness requirements.
- **AI Detection Algorithm:** Hikrayin AI detection algorithm can automatically alarm on not only explosives, but also other threat objects like guns, knives, and other daily objects like batteries, laptops, mobile phones, etc.
- **Radiation Safe:** X-ray radiation leakage level is close to natural environment background levels. Fully complied with all international health and safety standards. Safe to be operated in public scenarios.
- **Compact Design:** Compact design so that it can be deployed in limited space.
- **Powerful Storage:** Powerful storage capacity to maintain at least 500,000 baggage data, data can be exported in different common formats including bmp, jpeg and png through USB storage devices.
- **Easy Maintenance:** Modular design and construction combined with a fully built-in diagnostic facility guarantee the efficiency of equipment maintenance.

▪ TECHNICAL DATA

Dimensions	
Tunnel Size	620 mm (H) × 420 mm (W)
System Dimensions	2327 mm (L) x 1210 mm (W) x 1280 mm (H)
General Specifications	
Conveyor Height	680 mm (Adjustable)
Conveyor Speed	0.2m/s
Max. Conveyor Capacity	165 kg (Even Distributed)
X-ray Generator	
Anode Voltage & Cooling	180 kV, adjustable, Oil Cooling
Tube Current	1.0 mA maximum (Adjustable)
Installation Data	
Power Supply	230 VAC (±10%) 50±3Hz
Power Consumption	1.0 KVA (max)
Operating Temperature/Humidity	-5°C ~ 45°C / 5% ~ 95% (non-condensing)
Storage Temperature/Humidity	-20°C ~ 60°C / 5% ~ 95% (non-condensing)
Weight	650 kg
Performance*	
Penetration	Bottom view: 38 mm Side View: 38 mm
Wire Resolution	Bottom view: 38 AWG Side view: 38 AWG
Health and Safety	
Radiation Leakage	< 1μGy/h, 5 cm distance to the housing
Film Safety	Guaranteed up to ISO 1600 (33DIN)
Additional Features	
Image Enhancement	Color/BW, negative, high/low penetration, organic/inorganic stripping, general enhancement, etc.
TIP Function	Threat Image Projection System with Civil Aviation TIP Library (Optional)
Operation Desk	23.8", dual-monitor, 1920×1080@120HZ

*Test with Hikrayin Standard Test Piece

*The HIKRAYIN trademark is registered under the brand of Hangzhou Rayin Technology Co., Ltd., Hangzhou Rayin Technology Co., Ltd. is a subsidiary of Hangzhou Hikvision Digital Technology Co., Ltd.

