

Si-848micro

MICRO-DOSE X-RAY PERSONNEL SECURITY SCANNER

ADVANCED FULL/PART BODY INSPECTION



FULL OR PART BODY SCANNING

Vertical X-ray scanning of the full body or a selected body area of the inspected person.



4-10 SECOND SCAN TIME

Fast personnel inspection with a scanning cycle of approximately 4 to 10 seconds.



ADJUSTABLE MICRO-DOSE
0.2-4 μ Sv PER SCAN
ADJUSTABLE

IDEAL FOR



PRISONS



CUSTOMS



BORDER PATROL



AIRPORTS



GOVERNMENT
BUILDINGS



RAILWAY STATIONS
& PORTS



TESTED STANDARDS

Standards listed include
GB15208.4-2018,
GA926-2011 and
ANSI/HPS N43.17-2009.



KOREAN TECHNOLOGY

Professional security
screening technology for
controlled inspection
environments.



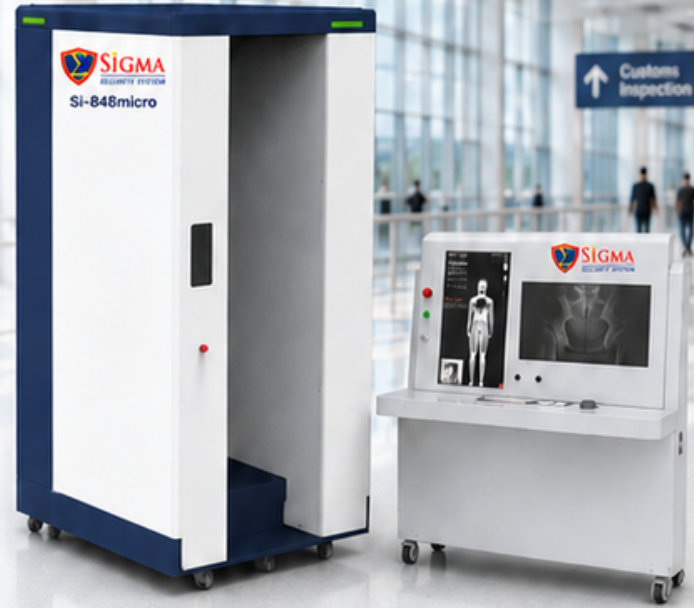
FAST DEPLOYMENT

Integral installation
design supports quick
deployment and easy
relocation.

Si-848micro

FEATURES & TECHNOLOGY

The Sigma Si-848micro is a micro-dose X-ray personnel security scanner designed for vertical scanning of the full body or a selected part of the inspected person. The system is designed to assist trained security personnel in identifying metallic and non-metallic contraband concealed inside the body or on the body surface, reducing dependence on manual physical searches. The system provides detailed X-ray images through a dedicated operator control console for professional inspection and analysis.



KEY FEATURES



MICRO-DOSE SCANNING

Adjustable scanning dosage from 0.2 to 4 μ Sv per scan.



FULL/PART BODY MODE

Vertical scanning of the full body or a selected body area.



METAL & NON-METAL DETECTION

Designed to identify metallic and non-metallic concealed contraband.



FAST INSPECTION

Completes an individual scan in approximately 4 to 10 seconds.



38 AWG RESOLUTION

Listed liner resolution of 38 AWG for full-body or torso inspection.



1.0 mm SPATIAL RESOLUTION

Detailed imaging with a listed spatial resolution of 1.0 mm.



HIGH-RESOLUTION IMAGE

Image resolution listed as $\geq 2048 \times 1024$ PPI.



QUICK INSTALLATION

Integral design supports fast installation, deployment and displacement.

TECHNICAL SPECIFICATIONS

Technology:	Micro-Dose X-ray Scanning
Working Mode:	Vertical Full/Part Body Scanning
Time per Scan:	4-10 Seconds
Scanning Dosage:	0.2-4 μ Sv/Scan, Adjustable
Liner Resolution:	38 AWG, Full Body or Torso
Scanning Height:	≥ 1.9 m
Spatial Resolution:	1.0 mm
Image Resolution:	$\geq 2048 \times 1024$ PPI
Contrast Sensitivity:	0.5%
Dimensions:	1541 mm L $\times$ 1339 mm W $\times$ 2411 mm H
Weight:	Approximately 710 kg
Rated Power:	850 W
Peak Power:	Less Than 4 kW
Operating Temperature:	0°C to +40°C
Operating Humidity:	5%-95%, Non-Condensing
Voltage/Frequency:	127/220 VAC, 50/60 Hz, or According to Client Requirements
Installation Mode:	Integral Fast Installation, Quick Deployment and Easy Displacement

LISTED CERTIFICATION & COMPLIANCE

GB15208.4-2018

GA926-2011

ANSI/HPS N43.17-2009

Tested by China National Inspection and Testing Center for Quality of Security and Alarm Systems.

Radiation Safety Permit issued by China Ministry of Ecology and Environment.

OPERATIONAL DESIGN

- Vertical full or partial body scanning
- Adjustable micro-dose configuration
- Detailed operator-viewed X-ray images
- Quick integral installation
- Easy deployment and displacement



SIGMA
SECURITY SYSTEM

ENGINEERED FOR
ADVANCED PERSONNEL SCREENING

Si-848micro

MICRO-DOSE X-RAY PERSONNEL SECURITY SCANNER

The Sigma Si-848micro is designed for professional personnel inspection in controlled security environments. It performs vertical full-body or partial-body X-ray scanning and assists operators in examining objects concealed inside the body or on the body surface. The system is designed to identify metallic and non-metallic contraband, including weapons, knives, explosives, hazardous liquids, microelectronic devices, powdered pills and other concealed materials.

**4-10
SEC
SCAN TIME**



APPLICATIONS



PRISONS & DETENTION FACILITIES

Supports controlled inspection of individuals entering secure correctional environments.



DRUG REHABILITATION CENTRES

Assists trained personnel in identifying concealed prohibited materials.



POLICE & ANTI-DRUG BUREAUS

Designed for specialised inspection and contraband-control operations.



CUSTOMS & BORDER PATROL

Supports detailed personnel inspection at controlled border and customs checkpoints.



AIRPORTS, RAILWAY STATIONS & PORTS

Suitable for authorised personnel screening in transportation-security environments.



GOVERNMENT, MINING & WAREHOUSE FACILITIES

Supports controlled inspection in sensitive operational and industrial locations.

INSPECTION CAPABILITIES



INTERNAL INSPECTION

Designed to assist in examining concealed objects located inside the body.



BODY-SURFACE INSPECTION

Designed to identify objects concealed on or beneath clothing at the body surface.



METALLIC CONTRABAND

Supports identification of guns, ammunition and metallic knives.



NON-METALLIC CONTRABAND

Supports identification of porcelain liquids, hazardous liquids, microelectronics and powdered pills.

LISTED STANDARDS & TESTING



GB15208.4-2018



GA926-2011



ANSI/HPS
N43.17-2009



RADIATION
SAFETY PERMIT

Tested by the China National Inspection and Testing Center for Quality of Security and Alarm Systems.

Radiation Safety Permit issued by the China Ministry of Ecology and Environment.

SYSTEM CONFIGURATION



Personnel scanning chamber

Vertical scanning chamber for full-body or selected-area personnel inspection.



Operator control console

Dedicated operator station for viewing and analysing personnel X-ray scan images.



0.2-4 μ Sv/SCAN

Adjustable scanning dosage



≥ 1.9 m

Listed scanning height



1.0 mm

Spatial resolution



0.5%

Contrast sensitivity



KOREAN TECHNOLOGY



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