



ENGINEERED FOR
SAFE & SECURE SCREENING

Si-2018Z

WALK-THROUGH
METAL DETECTOR
NEXT GENERATION



EVEN DETECTION TECHNOLOGY

No blind spots for reliable
security screening.



400 ADJUSTABLE SENSITIVITY LEVELS

Fine-tuned detection control
for diverse security requirements.

18 Zone



IDEAL FOR



AIRPORTS



GOVERNMENT
BUILDINGS



DEFENSE
FACILITIES



EDUCATIONAL
INSTITUTIONS



EVENTS &
EXHIBITIONS



INDUSTRIAL
FACILITIES



INTERNATIONAL SECURITY STANDARDS

Meets the world's standard test
certifications, including CE (EMC, LVD),
ROSSH, and FCC.



KOREAN TECHNOLOGY

Proudly engineered and
manufactured in Korea.



GLOBAL SUPPORT

Reliable after-sales support
wherever you are.



KOREAN TECHNOLOGY



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Si-2018Z

FEATURES & TECHNOLOGY

The Sigma Si-2018Z Walk-Through Metal Detector is engineered for reliable and accurate threat detection in high-security environments.

With 18 detection zones, adjustable sensitivity and advanced interference immunity, it ensures superior performance, operational efficiency and ultimate safety for all users.

KEY FEATURES



ADJUSTABLE SENSITIVITY

Adjustable sensitivity of each detection zone for precise and flexible threat detection.



MULTI-ALARM SOUNDS

Multiple alarm sounds to choose from.



ADJUSTABLE FREQUENCY

Operating frequency can be adjusted manually or automatically.



EVEN DETECTION TECHNOLOGY

Even detection technology ensures no blind spot for accurate screening.



INTERNET TECHNOLOGY

Remote upgrade system and remote control system for efficient management.



STATISTICS

Record the pass and alarm numbers for easy monitoring.



QUERY FUNCTION

Real-time information query function for quick and easy access.



INTELLIGENT STANDBY

The system has intelligent standby operation alerts for energy-saving and system readiness.



DETECTION SPEED

More than 60 people pass and detect in 1 minute.

**18
ZONES**

18 DETECTION ZONES

18 independent detection zones for accurate identification of metallic threats at multiple body locations.

TECHNICAL SPECIFICATIONS

Model Number:	Si-2018Z	Gross Weight (Main Box / Door):	62 KG
Vertical Dimension:	2216 x 429 x 854 mm	Detection Zones:	18 Zones
Vertical Channel Size:	1940 x 700 mm	Working Voltage:	AC 90V ~ 240V, 50/60Hz
Main Box Packing Size:	725 x 200 x 305 mm	Power Consumption:	20 W
Detection Door Packing Size:	2245 x 510 x 200 mm	Each Zone Sensitivity:	1 - 400 Level
Net Weight (Main Box / Door):	54 KG	Security Level:	100 Level
		Working Frequency Range:	1 - 50 Bands
		Working Environment Temperature:	-20°C ~ +65°C

CERTIFICATIONS



CE



FCC



RoHS



IP54 Protection

RELIABILITY & CONSTRUCTION

- ✓ Non-contact inspection
- ✓ No ionizing radiation
- ✓ High reliability and low maintenance
- ✓ Durable and robust construction
- ✓ Safe for all people

Si-2018Z

ADJUSTABLE SENSITIVITY OF EACH DETECTION ZONE

The Sigma Si-2018Z Walk-Through Metal Detector is designed for reliable and precise security screening. With advanced even detection technology and 18 detection zones, it ensures high sensitivity, user safety, and superior performance in any environment.



IDEAL FOR



AIRPORTS

Enhances passenger safety and accelerates security screening process.



GOVERNMENT BUILDINGS

Ensures secure access and strengthens protection of public facilities.



DEFENSE FACILITIES

Detects threats effectively to support high-level security operations.



EDUCATIONAL INSTITUTIONS

Provides safe and reliable screening for students, faculty and staff.



EVENTS & EXHIBITIONS

Quickly screens large crowds at events, exhibitions and public gatherings.



INDUSTRIAL FACILITIES

Protects personnel and assets with advanced security screening.

CERTIFIED FOR GLOBAL DEPLOYMENT



ISO
9001:2015

Quality
Management
System



ISO
14001:2015

Environmental
Management
System



OHSAS
18001:2007

Occupational
Health & Safety
Management



IP54
PROTECTION

Protected against
dust ingress and
water splashes
from any direction.

SAFE FOR EVERYONE



Non-ionizing
Technology



Safe for
General Public



Privacy
Protection



Non-Contact
Inspection



The Si-2018Z ensures safe, accurate and reliable screening using non-ionizing technology without compromising privacy or comfort.

BUILT FOR RELIABILITY. BACKED BY SUPPORT.



EVEN DETECTION TECHNOLOGY

Ensures uniform detection, no blind spot for enhanced security.



ADJUSTABLE SENSITIVITY

400 levels sensitivity for each detection zone for precise threat detection.



MULTI-ALARM SOUNDS

Multiple alarm sounds to choose for different preferences.



REMOTE UPGRADE & REMOTE CONTROL

Internet technology for remote upgrade system and remote control system.

KEY FEATURES



OPERATING FREQUENCY

1-50 working bands, manual or automatic adjustment.



HIGH THROUGHPUT

More than 60 people pass and detect in 1 minute.



STATISTICS

Record the pass and alarm numbers for analysis.



QUERY FUNCTION

Real-time information query function available.



DETECTION ZONES
18
ZONES



EACH ZONE SENSITIVITY
1-400
LEVEL



SECURITY LEVEL
100
LEVEL



POWER CONSUMPTION
20
W



WORKING VOLTAGE
AC90V~240V
50/60Hz



WORKING TEMPERATURE
-20°C ~ 65°C