



SIGMA
SECURITY SYSTEM

ENGINEERED FOR
SAFE & SECURE SCREENING

Si-2033Z

WALK-THROUGH
METAL DETECTOR
NEXT GENERATION

 GATES A1-A12 ↑



MULTI-BRAND COMPATIBILITY

Can be added to existing security checkpoints without replacing other units. Includes multiple channels and 100 selectable operating frequencies.



TOUCH SCREEN DIGITAL DISPLAY

User-friendly touch screen interface for quick operation and system management.

33Zone



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), ROHS, 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-2033Z

FEATURES & TECHNOLOGY

The Sigma Si-2033Z Walk-Through Metal Detector is designed to deliver accurate detection, reliable performance, and safe operation for a wide range of security environments.

Built with advanced technology and international quality standards, it ensures complete peace of mind for security professionals and organizations worldwide.



**33
INDEPENDENT
DETECTION
ZONES**

KEY FEATURES



DSP PROCESSING

Digital Signal Processor (DSP) based, offers greater sensitivity, noise immunity, metal discrimination, detection uniformity, and overall product reliability. Pinpoint targets the left, center and right side of the body from head to toe.



33 INDEPENDENT DETECTION ZONES

33 independent zones provide accurate localization and precise identification of metallic objects across the body, allowing improved screening efficiency.



OVERALL DETECTION TECHNOLOGY

Overall detection technology ensures uniform detection performance across the entire walk-through area with no blind spot.



QUICK & EASY OPERATION

Quick setting for different application occasions. Touch screen digital display and automatic boot self-checking.



BATTERY BACKUP (OPTIONAL)

6-10 hour backup available to ensure uninterrupted operation during power outages.



DURABLE & RELIABLE CONSTRUCTION

Engineered for reliable performance with low power consumption and stable operation.

TECHNICAL SPECIFICATIONS

	Zone Indications	33 Independent Zones
	External Power Supply	AC110-240V $\pm$ 20%, 50/60Hz
	Automatic Self-Checking	Automatically boot self-checking
	Touch Screen Display	Touch screen digital display
	Certificates	CE, ROHS, FCC
	Statistics	Record the pass and alarm numbers
	Working Temperature	-20°C to +60°C

	Power Consumption	$\leq$ 20W $\pm$ 10%
	Battery Pack (Optional)	6-10 hour backup available
	Overall Detection Technology	Overall detection technology, no blind spot
	Quick Setting	Quick setting for different application occasions
	Humidity	$\leq$ 95% Non-condensing
	International Standards	Meets world's standard certifications

CERTIFICATIONS



RELIABILITY & CONSTRUCTION

- ✓ Built with advanced technology and international quality standards
- ✓ Low power consumption and stable operation
- ✓ Quick and easy operation
- ✓ Durable structure for long-lasting performance
- ✓ Designed for a wide range of security environments

Si-2033Z

APPLICATIONS, CERTIFICATIONS & SUPPORT

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IDEAL FOR



AIRPORTS

Reliable passenger screening for secure and efficient operations.



GOVERNMENT BUILDINGS

Enhances access control and ensures safety of staff and visitors.



DEFENSE FACILITIES

Provides advanced threat detection for high-security environments.



EDUCATIONAL INSTITUTIONS

Ensures a safe campus environment for students, faculty and staff.



EVENTS & EXHIBITIONS

Efficient screening for large crowds at public events and exhibitions.



INDUSTRIAL FACILITIES

Strengthens security in workplaces and high-risk industrial locations.

CERTIFIED FOR GLOBAL DEPLOYMENT



CE CERTIFIED

Complies with European EMC and LVD safety standards.



FCC COMPLIANT

Meets international electromagnetic emission requirements.



RoHS COMPLIANT

Environmentally responsible manufacturing standards.



IP PROTECTION

For moisture and foreign matter protection.

SAFE FOR EVERYONE



Cardiac Pacemaker Wearers



Pregnant Women



Magnetic Storage Media



High Volume Pedestrian Traffic



The Si-2033Z is designed to be completely safe for all individuals and everyday items, ensuring worry-free security screening in any environment.

BUILT FOR RELIABILITY. BACKED BY SUPPORT.



KOREAN TECHNOLOGY

Proudly engineered and manufactured in Korea using advanced security screening technology.



PROFESSIONAL SUPPORT

Dedicated technical support team providing reliable assistance whenever you need it.



QUALITY ASSURANCE

Rigorous quality control and testing ensure long-lasting performance and durability.



WARRANTY

Two-year limited warranty on parts and labor for complete peace of mind.

OPTIONAL ACCESSORIES



REMOTE CONTROL

Easy operation and settings adjustments from a distance.



BATTERY BACKUP

Optional 6-10 hour backup for uninterrupted operation.



ACCURATE DETECTION

Detects ferrous and non-ferrous metals including small objects.



HIGH PERFORMANCE

Stable operation with high immunity to environmental noise.



EASY OPERATION

User-friendly interface for quick setup and simple operation.



ROBUST DESIGN

Strong, durable and reliable for continuous heavy-duty use.