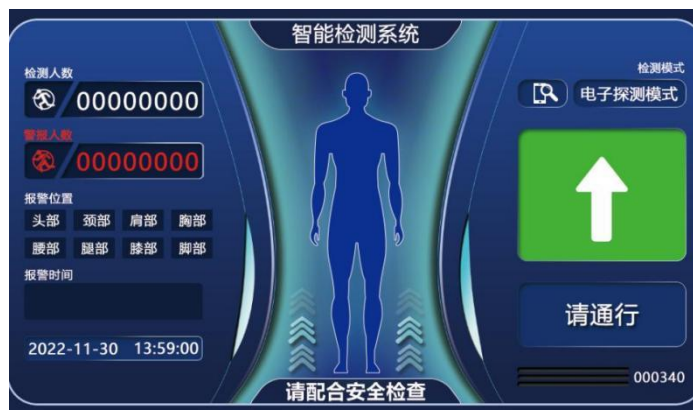


PE-Multi Z810 Smart Security Gate

Screen Display: Standby or No Alarm



Screen Display: Alarm



Product Overview

The PE-Multi Z810 Smart Security Gate utilizes eddy current effects and electromagnetic induction principles to obtain material information about detected metal objects. It then employs three-dimensional field strength transformation technology to capture the three-dimensional shape information of these objects. By integrating weak signal detection technology, precision filtering technology, digital signal processing technology to compare against a product database, calculating the material and shape of the inspected item. This enables the system to distinguish

between electronic devices, prohibited items, and everyday objects. With powerful and highly integrated functionality, diverse data query and statistical analysis capabilities, and highly integrated security information, it is suitable for high-traffic environments such as public security agencies, government facilities, classified sites, transportation hubs, corporate campuses, office buildings, schools, hospitals, cultural and museum attractions, and large-scale security events.

Features

Digital Pulse Technology

Equipped with a digital signal processing and filtering system, it offers excellent resistance to electromagnetic interference. Even when multiple gates are placed side-by-side, their detection performance remains unaffected.

Magnetic Field Safety

Complies with international safety standards and utilizes low-field technology, posing no harm to individuals with pacemakers or pregnant women, while also having no adverse effects on floppy disks, film rolls, or videotapes

Detection Modes

Electronic Device Detection Mode, All-Metal Detection Mode, Prohibited Items Detection Mode, Electronic Device Detection Mode Prohibited Items Detection Mode

Electronic Device Detection Mode

Effectively filters out interference from coins, metal stationery, eyeglasses, watches, necklaces, belt buckles, magnets, keys, cigarettes, lighters, and other commonly carried items, while accurately detecting mobile phones in any state (whether powered on or off, with or without a SIM card), as well as laptops, iPads, digital cameras, camcorders, and other sensitive electronic devices. It provides audible and visual alarms to precisely indicate the location of the alarm and displays the results in a categorized text-and-image format

Small Electronic Device Detection: Supports detection of small electronic devices such as Bluetooth headsets, smartwatches, smart glasses, and voice recorders

Full Metal Detection Mode

When a person carrying more than the permitted amount of metal passes through the security gate, the system will trigger an audible and visual alarm, effectively verifying prohibited items

Prohibited Items Detection Mode

Effectively filters out interference from coins, glasses, watches, belt buckles, magnets, keys, cigarettes, lighters, stainless steel water bottles, umbrellas, and other commonly carried items, accurately identifying whether prohibited items (such as machetes, axes, firearms, aluminum beverage cans, tin cans, aluminum tubes, metal vest bombs, and metal belt bombs) are present, and displaying the results in a categorized format with text and images

Smart Display

High-definition 10.1-inch LCD touchscreen display, featuring simple operation and rich display content. The screen displays a figure indicating the alarm location and category, while also supporting functions such as alarm location guidance, alarm time, passage instructions, number of people passing through, number of alarms triggered, and system time

Interlock Control

Capable of outputting ≥ 2 control signals to devices requiring mutual control, such as X-ray security scanners, three-roller turnstiles, access control systems, and time clocks

Data Statistics

Dual-sided infrared beams accurately detect the number of people passing through and the number of alarms triggered, and support bidirectional counting

Data Storage

Capable of storing data such as the number of people passing through, the number of alarms, and alarm details, with the ability to query historical records; supports storage of $\geq 100,000$ data entries

Quick Sensitivity Adjustment

Supports sensitivity adjustment; each detection zone supports adjustment from 0 to 500 levels

Alarm Sounds

Supports 100 different alarm tones. When multiple security gates are in use simultaneously, different alarm tones can be set to distinguish between them. Each tone is adjustable in 100 levels, and a mute mode is supported

360-Degree Alarm

The product supports ≥ 25 body detection zones, accurately displaying suspicious objects on any part of the body. It features a 360-degree high-brightness red LED flashing alarm

Passage Indication

The product features a green LED passage indicator: the green LED remains lit when no one is passing through, and turns off when someone is passing through. When the security gate triggers an alarm, text prompts such as "Do Not Pass" appear, accompanied by a flashing red LED alert

Alarm Localization

High-brightness LED lights are installed on all four sides of the gate pillars. When the security gate triggers an alarm, the location of the prohibited item is clearly indicated by the positioning lights. Simultaneously, the screen displays a silhouette of a person and provides guidance on the alarm location

Multi-Channel Communication

Supports multiple communication channels, allowing simultaneous use of multiple devices. Operates stably without interference or impact on performance.

Size Indication of Detected Objects

Displays the size of the detected metal during an alarm

Multi-scenario settings

Supports quick setup for 24 application scenarios; automatically matches the appropriate security level and sensitivity for each scenario, while also supporting customization for special scenarios.

Scheduling Function

Supports energy-saving mode: set a sleep timer so the device automatically enters sleep mode when no one is passing through and wakes up automatically when someone passes by, promoting energy efficiency and environmental protection

Password Protection

Program settings, sensitivity, and other parameters can only be modified after entering the correct password. Users can set their own passwords, and a password recovery feature is available.

One-Click Factory Reset

Supports one-click restoration to factory settings to return the device to its optimal state

Firmware Update

Supports firmware updates via local or network connections

Door Material

The exterior is made of PVC, identical in material to imported brands. It is aesthetically pleasing, elegant, fire-resistant, corrosion-resistant, moisture-resistant, and impact-resistant, and will not warp.

Technical Specifications

Dimensions:	2266 (H) × 897 (W) × 663 (D) mm	Gross Weight:	94.6 kg
Passage Dimensions:	2000 (H) × 727 (W) × 663 (D) mm	Net weight:	84.6 kg
Main unit packaging dimensions:	830 × 540 × 290 mm	Power consumption:	<22w
Packaging dimensions of the detection door panel:	2300 × 710 × 240 mm	Operating humidity:	95% non-condensing
Operating voltage:	AC 100V–240V, 50/60 Hz	Ambient temperature:	-20°C to 65°C
Detection range:	Omnidirectional coverage with no blind spots within the passage	Alarm Location Indication:	Supported
Host interface:	Supports animated figure display	Passage count display	Supported
Alarm Time:	Supports alarm time display	Display of number of people in an alarm	Supported
System Time:	Supported (Year, Month, Day display)	Access Indication:	Supported
Operating Frequency:	Adaptive adjustment	Overall sensitivity:	Adjustable from 0 to 500 levels

Alarm Volume:	Adjustable from 0 to 100 levels	Zone Sensitivity:	Adjustable from 0 to 500
Alarm tone:	Adjustable from 1 to 100 tones	Password Management:	Supported
Passage count storage:	Supports data retention during power outages	Password modification:	Supported
Alarm count retention:	Supports power-off data retention	Data storage:	Supported
Alarm Log Query:	Supported	Screen brightness:	Adjustable from 35 to 100 levels
Web-based Management:	Supported	Factory Reset:	Supports one-click factory reset
Data platform upload:	Supported	360-degree alarm display:	Supported
Display Screen Size:	Standard 10.1-inch LCD touchscreen display; dual-screen display (optional)		
Display Screen:	The screen displays an avatar indicating the alarm location and category, and supports functions such as alarm location guidance, alarm time, passage instructions, number of people passing through, number of people triggering alarms, and system time		
Detection Modes:	Electronic device detection mode, All-metal detection mode, Prohibited item detection mode, Electronic device detection mode and prohibited item detection mode		
Application Scenarios:	Supports selection from 24 application scenarios, with support for scenario expansion		
Compliance Standards:	Complies with smart security gate detection standards		
	Interference resistance complies with EN 50082-1		
	Radiation compliance with EN 50081-1		
	Electrical safety complies with EN 60950		
	GB 15210-2018 General Technical Specifications for Walk-Through Metal Detectors		
Product Certifications:	Certified to EU CE, FCC, RoHS, and FDA standards		
Corporate Certifications:	Certified to ISO 14001:2015 Environmental Management System		
	Certified to OHSAS 18001:2007 Occupational Health and Safety Management System		
	Certified to GB/T 19001-2016 / ISO 9001:2015 Quality Management System		
Equipment List: 2 cartons Package Contents: 1、 Instruction manual, warranty card, certificate of conformity X 1 2、 1.8-meter power cord X 1 3、 Main unit X 1 4、 Left detection door panel X 1 5、 Right detection door panel X 1 6、 Bolts X 8 7、 Allen wrench X 1 8、 Main Unit Key X 1			