

DHI-ISC-D318C

Walk-through Metal Detector



Introduction

The Outdoor Walk-through Metal Detector (referred to as "detector") is a fixed detection device primarily used to detect if metal items are carried by personnel. If the metal item carried by a detected person exceeds the preset alarm value, the detector instantly gives an alarm and displays the zone where the alarm-triggering metal item is, which help the security staff timely identify the metal item.

Features

Multi-zone Alarm

Supports 6-12-18 zones setting, multiple positions of metal can be located simultaneously.

Optimized IR Sensor

Scattered infrared device reduces false and missed alarms, and achieves automatic statistics of alarm number and pass number. Infrared beam mode can be configured to enable different detection modes.

Digital Pulse Technology

Equipped with a digital signal processing filtering system, it has excellent anti-electromagnetic interference capability.

Sensitivity

Adjustable sensitivity: 256 sensitivity-level available for each detection zone (0–255), which can be adjusted to the appropriate sensitivity according to the detection requirements (the larger the sensitivity value, the higher the sensitivity).

Password Protection

Only by inputting the correct password can the program, sensitivity and other parameter settings be changed. The password is six digits, which can be set by the user.

Magnetic Field Safety

It meets the current international security standards. Adopted low magnetic field technology makes it harmless to persons such as cardiac pacemaker wearers, and pregnant women, and at the same time, it does not affect soft disks, film rolls, video tapes and more.

Auto Frequency Adjustment

Supports auto and manual frequency search, as well as 20-level adjustable frequency.

Multi-scene Mode

Supports 12 scenarios and setting detection sensitivity for different scenarios.

- Supports 18-zone metal detection, and 18-zone human shape alarm light.
- 3.5-inch LCD screen and user-friendly interface.
- Monitoring and real-time display of ambient interference signal strength.
- Supports automatic and manual frequency search, as well as 20-level adjustable frequency.
- Supports the statistical record of pass number, and the respective record of pass number and alarm times.
- Supports the respective record of pass number and alarm number, which supports search by day.
- Modular design for easy installation.
- Low voltage design for more secure performance.
- Supports sensitivity adjustment of detection objects and 10,000-level adjustable sensitivity.
- Supports 12 scenarios and setting detection parameters for different scenarios.
- Supports the statistical record of pass number, and the respective record of pass number and alarm times.
- Supports outdoor installation and use, and IP65 level.
- Supports multiple detectors used in parallel with an interval of more than 50 cm.

Detection Precision

Maximum sensitivity capable of detecting a No.8 folding knife.

Self Test

The system is capable of performing a comprehensive self-test through both power-on self-test and manual self-test procedures.

Time Display

The interface is equipped with a current time display feature.

Network Upgrade

Supports firmware upgrade through the network.

Alarm Output

Supports metal alarm relay output that can be integrated with access control systems and other devices for coordinated response.

Application

Supports outdoor installation and use, and IP65 level.

Multi-detector Scenario

Supports multiple detectors used in parallel with an interval of more than 50 cm, up to 4 detectors.

Small Metal Filter

The small metal that needs to be excluded can be excluded through the function, and the small metal whose metal content is lower than the test body can be excluded without alarm.

Scene

Suitable for security check in government law enforcement departments: including public security, procuratorate, court and other venues. Suitable for security check in social public places: including the security screening of various public places such as gymnasiums, entertainment venues, airports, customs, exhibition halls, museums and more.

Technical Specification

Technology

Detection Type	Minimum detection type: a No.8 folding knife.
Precise Positioning	Equipped with dual-sided transmission and dual-sided reception capabilities, this system features 18 overlapping mesh detection areas that enable precise localization of detected objects. The detector panels are integrated with a row of LED indicators, providing a visual display of the alarm zones.
Multi-zone Alarm	Supports 6-12-18 zone settings, multiple positions of metal can be located simultaneously.
IR Sensor	Scattered infrared device reduces false and missed alarms, and achieves automatic statistics of alarm number and pass number.
Adjustable Sensitivity	Adjustable sensitivity: 256-level sensitivity available for each detection zone (0–255), which can be adjusted to the appropriate sensitivity according to the detection requirements (the larger the sensitivity value, the higher the sensitivity).
Leakage Current	The leakage current of the device during operation meets the safety requirements of electronic devices, less than 0.5mA.

Regular

Operating Voltage	12 VDC, equipped with 100-240 V, 50/60 Hz power adapter.
Max. Power Consumption	35 W
Typical Power Consumption	31.8 W
Whole Machine Weight	32 kg (70.55 lb)
Packaging Weight	38 kg (83.77 lb)
Product Dimensions	2,280 mm × 1,038 mm × 346 mm (89.76" × 40.87" × 13.6") (H x W x D)
Packaging Dimensions	2,406 mm × 694 mm × 439 mm (94.65" × 27.36" × 17.28") (L x W x H)
Operating Temperature	–20 °C to 60 °C (–4 °F to 140 °F)
Working Humidity	0% to 95%
Storage Temperature/ Humidity	–20 °C to 60 °C (–4 °F to 140 °F)/ 0% to 95%
Power Button	The main power buttons locate on two sides of the detector.
Indicator	Green Working Indicator
Human-shaped Alarm Zone Prompt	18-Zone Human-shaped Alarm Panel
Environment Noise	Supports environment noise detection and interface dynamic real-time display signal level.
Installation	Vertical Mount

Port

RS-485 Port	*1
Alarm Input/ Output	1-channel Input / 1-channel Output
Network Port	*1 RJ-45, 100 Mbps Ethernet port
Power Output	12 VDC

Ordering Information

Type	Model	Description
ISC-D3XX Series	DHI-ISC-D318C	Walk-through Metal Detector

Dimensions (mm[inch])

