DHI-ISC-D733-S2

Walk-through Metal Detector



With its modular design and strong anti-interference capabilities, the Walk-through Metal Detector provides optimal performance. It has a user-friendly interface, and is easy to transport and install. Designed with a 7-inch touch screen, it offers remote control and touch screen control, and is also built of specialized, strong materials that make it suitable for use both indoors and outdoors.

System Overview

The Walk-through Metal Detector detects metal objects using electromagnetic fields, and triggers sound and light alarms when a person is detected to be carrying a metal object. It can cover 18 detection zones, adapts easily to a wide variety of environments, and is built with high-frequency signal generators, a host box, signal receivers, and IR sensors.

Functions

Multi Applications
Supports 90 applications, and it associates various detection features, supports independent detection of magnetic metals, non-magnetic metals and innocuous metal object filtering.

Various Alarms
Supports visible and audible alarm, giving people the most sensitive prompts, and the alarm tone, volume, and duration can be adjusted as needed.

Pass Statistics Search
Searches Pass statistics by hour/day.

Networking
Supports the parameter configuration of the device via network, and supports platform management.

Cyber Security
Supports 2-level user, The operator and the administrator has different permission. Strong password verification to ensure cyber security.

- 33 detection zones with corresponding indicators
- Built-in traffic lights
- 7-inch full color touch screen LCD display
- Easy-to-install modular design
- Monitor and display the real-time signal strength of environmental interference
- Counting passing number, pass/return numbers, and alarm number
- Pass/Return statistics, alarm statistics, and searching by hour/day
- Display the alarm position via human shape display
- Ultra-high sensitivity, Minimum detect target: *CNY ten-cent coin
- Independent detection of ferromagnetic and non-ferromagnetic metals
- Innocuous metal object filtering
- 90 applications selectable
- Automatically searches operating frequency (100 levels available)
- Random alarm
- 2-level user management of operators and administrators
- Support multi-language, real-time switching
- 2-channel alarm output
- Monitoring and configuration through the network, and managed by platform
- IR remote controller
- Supports SLA back-up battery

* Nickel bonded Steel, round, diameter 19 mm, thickness 1.67 mm, weight 3.20 g

Self Diagnosis
Automatic diagnosis plus manual/automatic self test.

Detection Capacity
60-100 person/min.

Quick Installation and Configuration
Supports automatic sensitivity setting, automatic frequency search, convenient application selection, which promotes easier configuration.

Uninterruptible Power Supply
Supports sealed lead-acid battery (optional), and automatically detects the battery status for cyclic charging. The charging will stop automatically when the battery is fully charged.

Traffic Lights
Supports traffic lights that remind pedestrians whether the pass is allowed or prohibited.

Multi-language
Built-in multiple languages for real-time switching to meet the market demand of various countries.

Two Control Methods

Adopts a 7-inch full color touch screen LCD display and remote controller, which supports two control methods of touch screen and remote control.

Safety

Complies with the EMC Electromagnetic Radiation Standards by using very low frequency electromagnetic fields. No harm caused to pacemakers, pregnant women and magnetic storage devices.

Scene

The walk-through metal detector is suitable for use in the following scenarios: Security screening of prohibited metal items in railway stations, bus stations, metro rail transit, government buildings, exhibition centers, sports meetings, schools.

Technical Specification

Device

Detection Sensitivity	NILECJ-STD-0601.00 L1-L5
Precise Positioning	33 overlapping detection zones, bilateral transmission and receipt of detection signals; 2-panel indicator lights
Zone Indication	33 independent zones selectable, and multiple metal items can be located simultaneously
IR Sensor	Supports the switching of multiple start-stop modes for two-pair of IR sensor. Infrared sensor can reduce false alarms; automatic alarm statistics and pass/return statistics
Adjustable Sensitivity	255 adjustable sensitivity levels in each detection zone (sensitivity increases by levels)
Security level	Supports 1-100 selectable security Level.
POST (Power On Self Test)	Power on self test.
Operating Frequency	Supports 1-100 selectable operating frequency ranges, and supports automatic frequency search.
Alarm Volume	Support 0-10 adjustable alarm volume, mute mode can be set.
Alarm Tone	Supports 9 kinds of selectable alarm tones, and independent tone for temperature alarm.
Remote Control	An IR remote controller with maximum remote control range of 2 m (6.56 ft)
Leakage Current	<0.5 mA, complying with safety requirements for electronic devices

Certifications

Certifications	GB 15210-2018 IEC 60068-2-1 IEC 60068-2-2 CE-LVD: Low Voltage Directive 2014/35/EU CE-EMC: Electromagnetic Compatibility Directive 2014/30/EU CE-RED: Radio Equipment Directive 2014/53/EU FCC: 47 CFR FCC Part 18, Subpart B
Safety	ICNIRP 2010 Guidelines ICNIRP 1998 Guidelines EC directive 2013/35/EU EC recommendation 1999/519/EC IEEE C95.1:2005

Ports

Power Button	Power switch on both door panels, and metal detection power switch on the front panel
Indicator	One green indicator
Environmental Noise	Monitors and displays real-time signal strength of environmental interferences
RS-485	1
Alarm In/Out	2-channel input, and 2-channel output
Power Output	12 VDC
Detector Underside Power Port	Aviation power port, 1 for each side.
Detector Underside Network Port	Waterproof RJ45 port, 1 for each side.

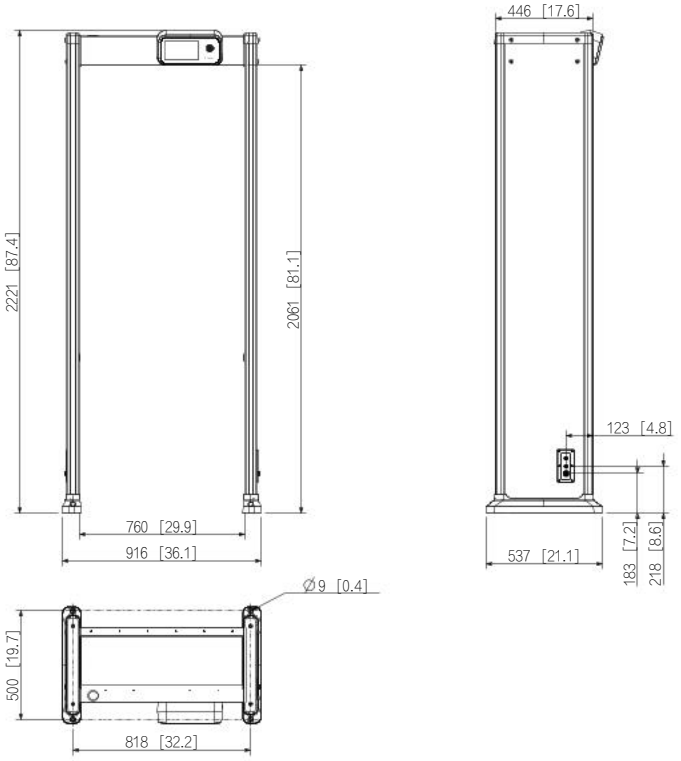
Regular Parameters

Tunnel Dimensions	2060 mm × 760 mm × 500 mm
Product Dimensions	2221 mm × 916 mm × 537 mm
Packaging Dimensions	2275 mm × 775 mm × 235 mm
Net Weight	40 kg (88.19 lb)
Gross Weight	50 kg (110.23 lb)
Operating Voltage	12 VDC, power adapter (included): 100–240 VAC, 50/60 Hz
Max. Power Consumption	13 W
Standby Power	9 W
Ingress protection rating	IP43, excluding external power supply
Operating Temperature	–20 °C to +60 °C (–4 °F to +140 °F)
Operating Humidity	0%–95% RH
Storage Temperature	–20 °C to +65 °C (–4 °F to +149 °F)
Storage Humidity	0–95% RH
Installation	Floor mounted

Ordering Information

Type	Model	Description
Walk-through Metal Detector	DHI-ISC-D733-S2	Walk-through Metal Detector DHI-ISC-D733-S2
Walk-through Metal Detector	DHI-ISC-D733E-S2	Walk-through Metal Detector DHI-ISC-D733E-S2

Dimensions (mm [inch])



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