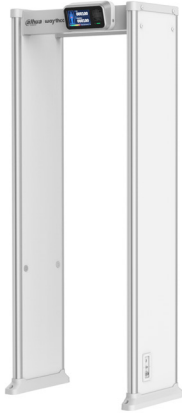


# DHI-ISC-D733-S2

## 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
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Safety	ICNIRP 2010 Guidelines ICNIRP 1998 Guidelines EC directive 2013/35/EU EC recommendation 1999/519/EC IEEE C95.1:2005
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**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])

