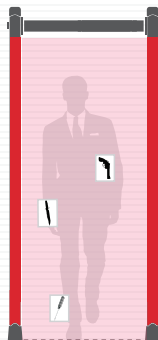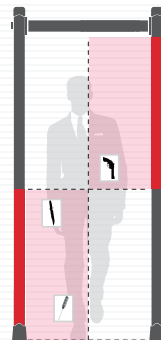# Detection Zones Diagram of walkthrough metal detector
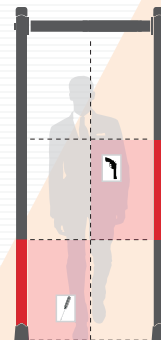
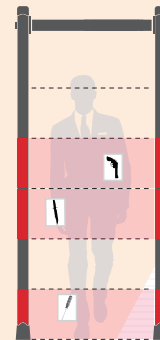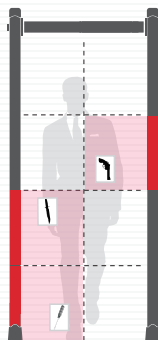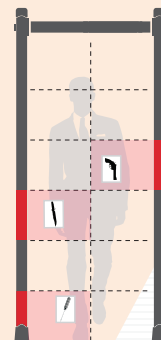☐ Single zone
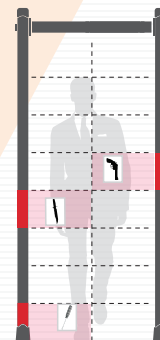☐ Three-dimensional 4 zones
☐ Erect 6 zones
☐ 6 zones

☐ Three-dimensional 8 zones
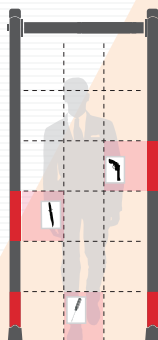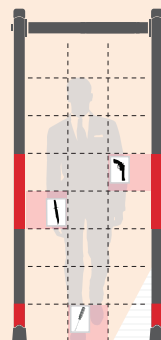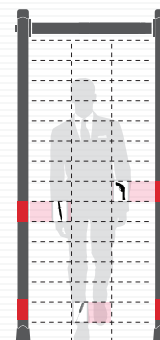☐ Erect 8 zones
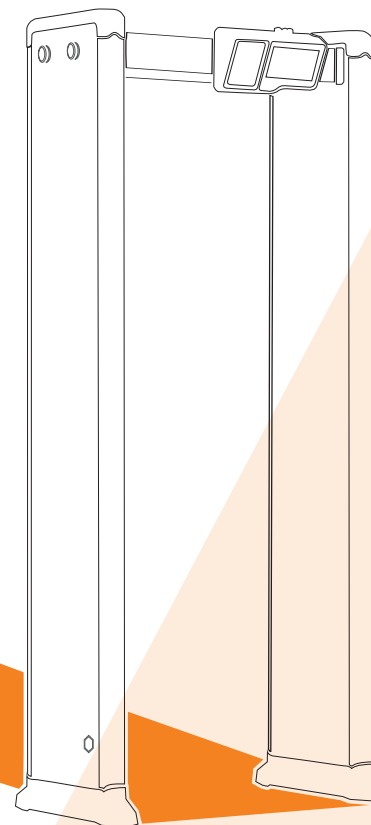☐ 12zones
☐ 16zones

☐ 18zones
☐ 24zones
☐ 33zones
☐ 45zones

Note: mutiple zones will alarm at the same time when detecting metal object.
        So it is more precise to detect

INSTALLATION AND OPERATION MANUAL

English Version
IME 20-17-I

SERVICE CARD

CE FC RoHS
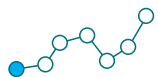
Control Panel Settings

⑬ ⑭ ⑮ ⑯ ⑰

① Home
② Security level
③ Sensitivity
④ Application
⑤ Frequency
⑥ Alarm
⑦ Internet
⑧ Infrared
⑨ Admin
⑩ More
⑪ Help

⑫

① Home
② Security level
③ Sensitivity
④ Application
⑤ Frequency
⑥ Alarm
⑦ Internet
⑧ Infrared
⑨ Admin
⑩ More
⑪ Help
⑫ working environment
⑬ Security Level
⑭ Working frequency
⑮ Alarm settings
⑯ Networking
⑰ Clock

Starting up

Connect the power supply and press the power switch button (on the side of the door panel;
The ovalwalk through metal detector has no switch (PS: in order to improve the waterproof effect,)
The equipment starts and enters the system self-check program, at this time, each location column
light turns on;Enter standby mode and display to "please accept security check" standby interface.

Input password

In the administrator Settings interface, you can enter and change the password, and the original
password is "00000000".

Input password

The customer can conduct periodic inspection of the equipment in need.In the "more Settings"
interface, click "system management - device diagnostics", the device enters the self-check state,
and if the device fails, the corresponding location will be prompted by red "X".

Product Certification is
on Service card back

Installation instructions

01
Please check whether packing is ok

02
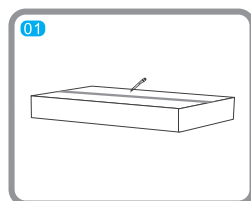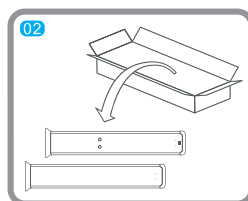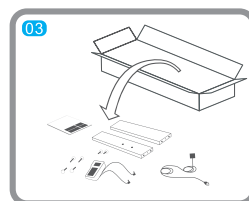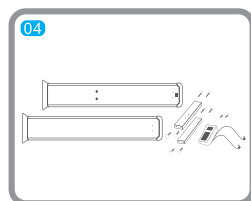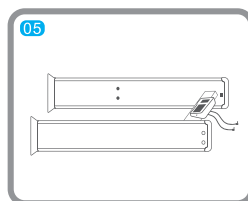Take out left and right door panels from door panel carton

03
Take out the manual,cross beam, host box, power wire from main unit carton

04
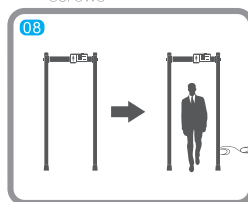Prepare door panel, cross beam, host box, screws according above diagram

05
Install cross beam and host box according to above diagram, meanwhile tighten screws

06
Left probe wire | right probe wire
Left door panel
Host box
Right door panel
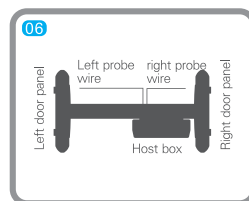
Connect the detection wire of host box and both sides panels together
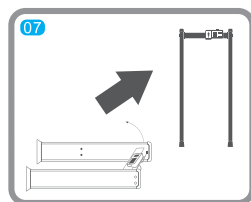
07
Put up the equipment, and finish installation

08
Connect power and device, then open starting up button, so device can work normally.

NOTICE
Please first read this section before installing device.

📞 If need our technology supporting when installing and operating or setting specification,please call our service hotline. (refer to cover service card)

If have any doubt and advice regarding our product,please send email to our email adress. When we received your email,will reply you immediately. Appreciate your supporting and understanding.

Function setting

Funtional selection

Click the navigation bar icon below the screen to switch choice between the following options

Function

① Home — Standby interface/alarm interface/work environment monitoring

② Security level — 1~100 — Can be adjusted freely , the lower grade, the higher sensitivity

③ Sensitivity — 0~255 — The door in different level and model number have different numbers of zones, And the sensitivity of each zone can be set separately.

④ Application — 72 scenarios — For different application situations and detection requirements ,The system presets dozens of responses,which iseasy for customers to set up and use.

⑤ Frequency — 1~100 — There are multiple working frequency bands can be set to reduce interference when multiple used.

⑥ Alarm — There are alarm and alarm bell can be selected ,and the volume can be adjusted.

⑦ Internet — Currently, there are wifi networking features, which can be used cooperate with mobile APP.

⑧ Infrared — 4 patterns — There are 4 kinds of infrared start-stop status which can be selected. .

⑨ Admin — Please select the login administrator account according to your own requirements

⑩ More

Security check — Can view the number of pass people and return people,report the number of alarm and return alarm.

Screen settings — Can adjust the screen brightness and screen saver sleep time.

Product registration — Get the legitimate licensing channels.

System Management — For version updating,and the restore factory Settings please use carefully

Time — Set system time

⑪ Help — Get help information from manufacturers

⑫ Working environment

Spec setting

When setting parameters, press the + - or < > key to adjust the size of the parameters

NOTICE
Before revising device specification,please read this section carefully.

NOTICE
Note: when enter into next interface, spec value of last interface equal to the last operation value

Product introduction

Product illustration

Muti-zone intelligent walkthrough metal detector with high performane,in the meantime ,it have higher sensitivity、light weight、best resistance of interference and perfect stability. This model adopts high strength material、more lighter and convenient transportation and installation. With Fully modular product, assembly on flow line production,so can keep the stability of production. It is easy to operate with Intuitive interface. So can operate without any trainning.

Muti-zone intelligent walkthrough metal detector is widely used in athletic meeting,conference,school etc. This item is gotten shape patent,and achieve right of software registration. Its detection theory is to use electromagnetic field to detect metal object,and even detect Metal quantity by acousto-optic alarm mode. It consists of the main unit、HF signal generator、infrared sensor. It is most advanced metal detector gate with elegant shape、superior detection ability、muti-zone detection、unique operation network system、

Technology advantages

- Adaptive system: when system enters into adaptive mode, it can adapt the testing standard
- The sensitivity of Each detection zone can be adjusted randomly (with adaptive technology)
- Can Change the detection zones (customer oneself can convert detection zones easily)
- For Sound、Light alarm, alarm tone、alarm time length, can be change randomly.
- Query function: the system with real-time information query function.
- Detection ability: at least detect 100 persons within one minute.

Specification

- Detect object ; contraband including mobile phone and metal

- Weight : net weight 45 KG, gross weight 52 KG;
- External size : 2200x930x 480 mm
- Passage size: 2000x750x480(the width of passage can be customs made from 700-1500 mm)
- Packing size: 2265x695x240mm
- Volume : 0.378m³

- Weight : net weight 40 KG, gross weight 45 KG;
- External size : 2200x920x 440 mm
- Passage size: 2000x750x440(the width of passage can be customs made from 700-1500 mm)
- Packing size: 2270x640x230mm
- Volume : 0.334m³

- Working humidity: 99%,non-condensing
- Working temperature: -40℃-85℃
- Power supply: can equip with backup battery. Can choose different supply time from 8/16/24/48 hours(optional)
- Input: AC 110 V-240 V/50HZ-60HZ
- Output: DC 12 V/5A 12W

400mm width door panel

300mm width door panel

Conductivity electronic interference

Connect the power cord to which is not connected to other large load (such as high-power motors, etc). They may result in a large power line or voltage shocks.
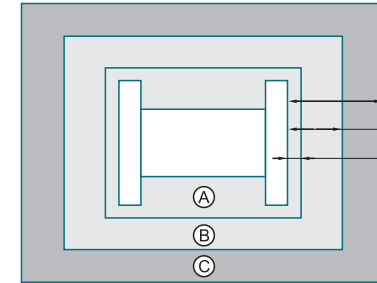
The recommended minimum distance between the interference source.

> 0.5m-4m(20in-157in)

> 0.5m-2m(20in-79in)

> 0.1m(4in)

Ⓐ

Ⓑ

Ⓒ

NOTICE

Please first read this section before installing device.

A: The distance between the fixed metal objects
B: There must be no active metal objects
C: There must be no electrical interference sources

Multiple devices work side by side

Work side by side is to point to mutiple devices work close to each other. When work side by side,Walk through metal detector will interfere each other in a certain extent. Interference level is decided the distance between the devices、working frequency、sensitivity.

There is many different working frequencys choosen for walk through metal detector,so can reduce the interference between device in order to work side by side.Please note,when work side by side ,all device should set different working frequency.

Before working, device setting

Operator passes through walk through metal detector with need to be detected metal. In the meantime adjust sensitivity and security level,so that achieve customer's demands(note:factory standarder is that one yuan coin transversely pass and will exist alarm)

Kind attention

Installation environment

Shaking Ground
Ground should be flat, with a solid support, to prevent vibration. Especially when there is presence of vibration of the metal structure under the surface, people walk through the detector may cause unnecessary alarms.

> 10cm(4in) the farther the better
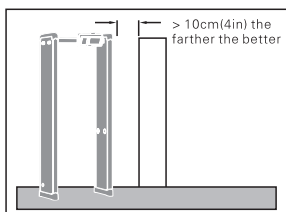
Fixed the metal objects
The distance between fixed or a large metal object should be at least 10cm (4in) away from the WTMD to detect large metals. It has little effect on the sensitivity, but it may make WTMD more susceptible to vibration.

NOTICE The distance of this section is recommend distance, the actual distance should be decided upon the installation site conditions.
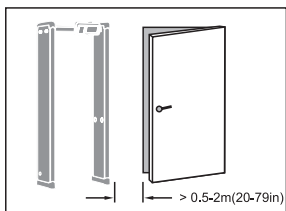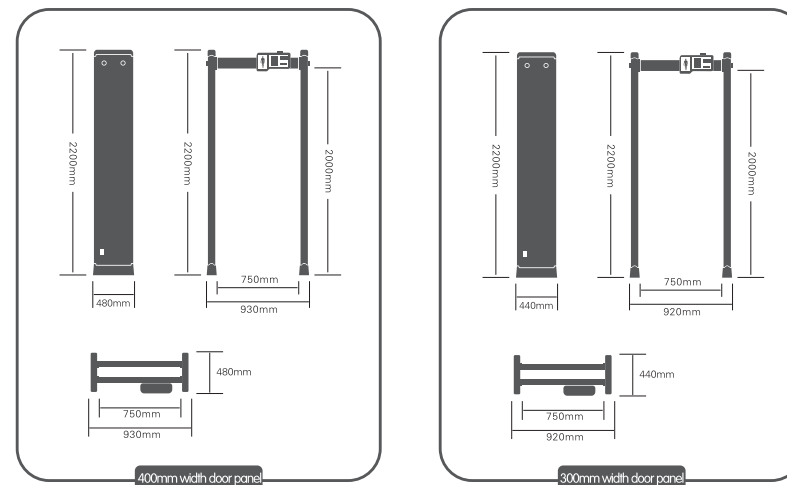

> 0.5-2m(20-79in)

The moving metal objects
The moving metal objects outside the WTMD should keep a distance of 0.5-2m (20-79in) away from the door, thus to avoid false alarms. According to the size of metal objects, the distance between metal objects and the WTMD may be different.

> 0.5m(20in)
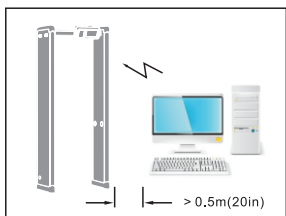
Radiated electrical interference
The distance between electronic interference source and the receiving coil is the largest. The recommended minimum distance should be 0.5-4m (20-157in). However, the actual distance should be depended on the real conditions. For example, you can move the WTMD and the interference source to find the best position.

Interference may be provided by electronic control panel, radios and computers, image display, high-power motors and transformers, AC cord, thyristor control circuits, flash welding equipment fluorescent tubes and other equipment.

2200mm · 2200mm · 2000mm · 480mm · 750mm · 930mm · 480mm · 750mm · 930mm

400mm width door panel

2200mm · 2200mm · 2000mm · 440mm · 750mm · 920mm · 440mm · 750mm · 920mm

300mm width door panel

Application occasions

Walkthrough metal detector is used to detect metal object in the body. Typical application occasions as following:

· Airport, port, travelling check point
· Court, visting checking point
· Conference, stadium, access control
· power plant , factory hotel, restaurant, entertainment, power venue, KTV

By research and practice of long terms, we published this style device. And it also is use advanced technology and 100% security. According to the manual operating,will not exist any damage for the person passing through device.

Warranty terms

Article 1
In order to protect the legitimate rights and interests of consumers, clear and definite manufacturers, distributors, repair business of walk
through metal detector for repairing, replacement, returning (hereinafter referred to as the three package) responsibility, according to <the
product quality law of People's Republic of China >, < Consumer Protection Law of People's Republic of China > and the relevant laws and
regulations , to Constitute this provision.

Article 2
Walk through metal detection door is to point to consumer buy this kinds device for special security check.

Article 3
In the territory of People's Republic of China ,walk through metal gate's repairing, replacement, returning, shall comply with the
provisions of this.

For walk through metal gate ,implement this principle who sell it will be responsible for the three pack.The three package is valid from the
seller issued purchase invoice or the installation is calculated from the date of acceptance (the arrival of the goods a week because
consumers unilateral factors cannot be installed or invoice, warranty period take effect after one week automatically) .The period of validity
of three pack include whole machine,Main component and system quality guarantee period, Quality guarantee period of quick-wear part
and other parts.
During three package , if product exists problem of quality, consumers can contact the seller in by three package certification.accordance
with the provisions of the replacement, return conditions, consumers with three bags of evidence, repair records, purchase invoices for
replacement, return. Beyond the prescribed time limit

Non three packs of responsibility

In the period of validity of the three pack, the seller, the manufacturer, and the repair merchant can prove that one of the following
circumstances, does not bear the responsibility of the three package, but shall provide reasonable repair

1.Beyond the prescribed time limit
2.Transfer to other users
3.No valid invoices and three packs of certificates
4.The product brand, model, code and requirements on invoice or three package are not in conformity with product required

After-service warranty card

Customer name _____   purchasing date _____   *REMARKS*

Phone _____   purhcasing ways _____

Address _____

Product name _____   Model _____

After-service record _____

After-service record _____

After-service record _____

After-service record _____

Common fault handling

FAQ deal

NO	Fault name	Fault description	Check failure	Fault judgment	Maintenance Tools
1	Cannot—boot	Can't benormally used after installation and connect the power.	1. Check whether the power switch is turned on. 2. Check whether the power adapter is broken, fracture, or poor contact.	1. Motherboard fault 2. Circuit fault	Visual, Manual operation
2	Boot does not show	The LCD screen does not	1. Check whether the power switch is turned on 2. Check whether the door panel and the main box connection are inserted.	Replace the cable or mainframe.	Visual, Manual operation
3	No count	The through number shows 0001 or 0000 or even not counting.	change the infrared mode, open the front group or open the post group.	Replace the infrared component.	Visual, Manual operation
4	Disorderly alarm	It may appear automatic alarm when there is not staff through the detector.	1.Check whether the surrounding environment affects the detection door, and try to change the frequency. 2.Replace infrared mode. 3.Adjustment sensitivity. 4.Check that there is no large metal in the nearby meter. Please stay away from large metal.	1. Replace the infrared component. 2.Change the installation location to avoid the sun.	Visual, Manual operation
5	Omission	There is no alarm when walking through the detector with metal.	1.Check that there is no large metal in the vicinity of one meter. Please stay away from large metal. 2. Higher the sensitivity.	Adjust the sensitivity value	Visual, Manual operation

NOTICE When Pop error code and cant work normally, please read this section carefully