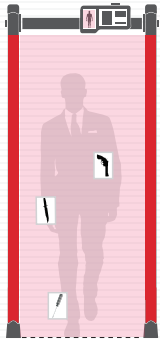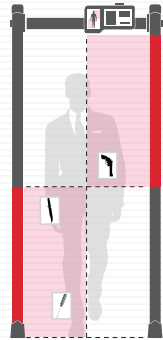# Detection Zones Diagram of walkthrough metal detector
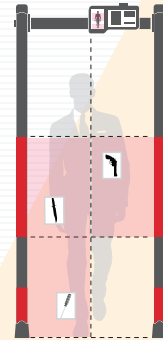
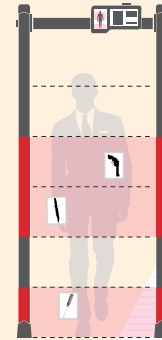

☐ Single zone

☐ Three-dimensional 4 zones

☐ Erect 4 zones

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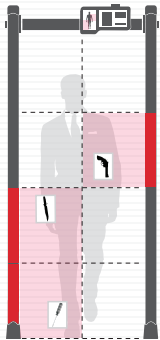
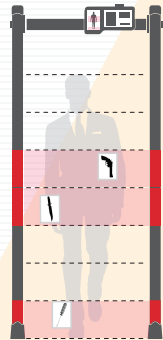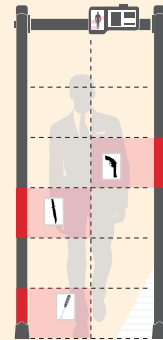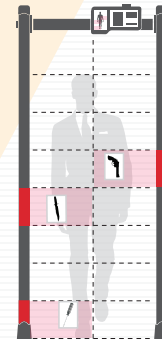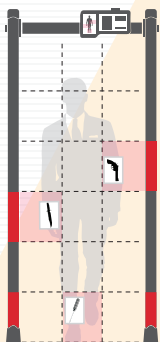☐ Three-dimensional 8 zones
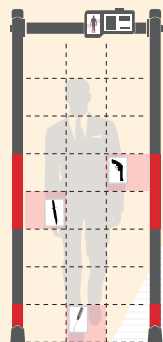
☐ Erect 8 zones
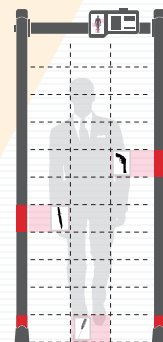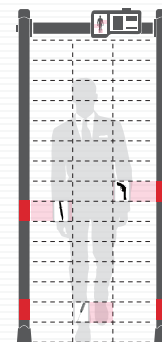
☐ 12 zones

☐ 16 zones

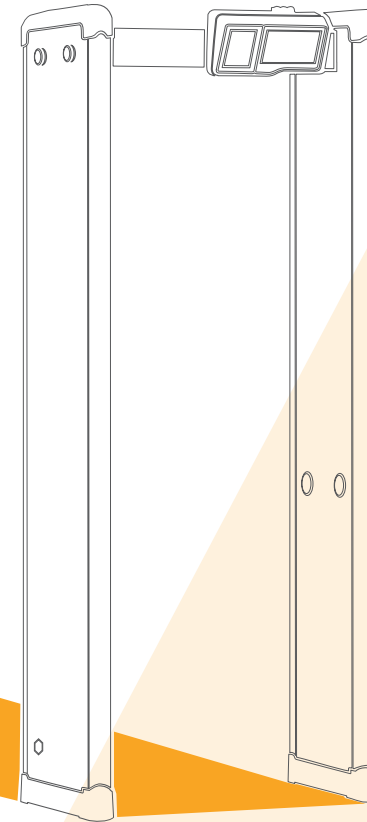☐ 18 zones

☐ 24 zones

☐ 33 zones

☐ 45 zones

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

Muti-zone intelligent walk through metal detector

INSTALLATION AND OPERATION MANUAL

English Version
VIME 20-17-I

SERVICE CARD

CE FC RoHS

Control Panel Settings

① Five bit display green digital tube

② Five bit display red digital tube

③ Two bit display green digital tube、
   three bit display red digital tube

④ "+"Add

⑤ "-"Minus

⑥ Save and quit

⑨ Power button

⑦ Working indicator

⑧ Program
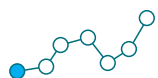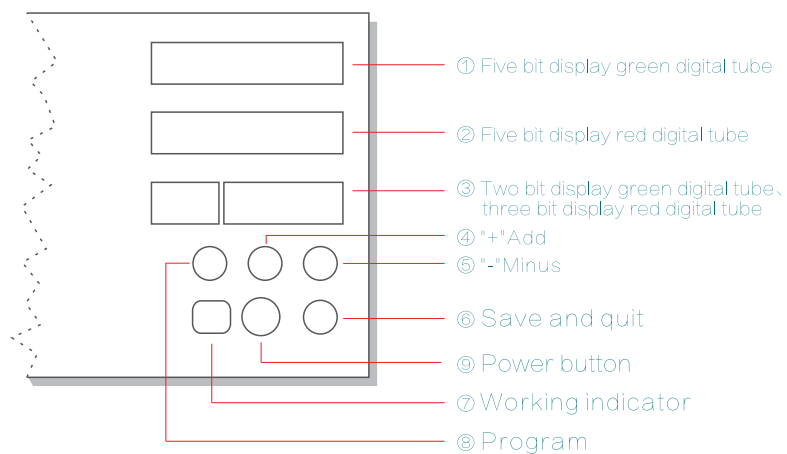
Starting up

Clik ⑨ Power button -starting up，then ③display：p 0000.

Self checking of system

When starting up, start self checking for 12 detector. If not irregular working,then will prompt error information (please refer to fault code)

When starting up, start self checking for infrared sensors. If not irregular working,then will prompt error information: LR ERR(please refer to fault code)

When starting up, start self checking for SD card. If not irregular working, then will prompt error information;sd ERR(please refer to fault code)

Input password

Input password.initial password is p 0000.④ corresponding selection number（from 0 to 9 cycle）.⑤ right shift bit digital tube（can Cyclic shift，choose corresponding bit twinkling），if password fault，will reminding： ERR. Press⑥（program button）,Reenter password unitl password is correct.then press ⑧（program botton）access the interface of setting specification.

Revising password

If need to revise password,press ⑧（program bottom）Switch to screen display C 0000,then keeping pressing⑧（program button）about 5s.At present start to twinkle at corresponding position.④button choose corresponding number（from 0 to 9 cycle）.⑤right shift digital button（can cycle shift，choose corresponding twinkling position）inputting new password.Pressing ⑧（program button）enter into next level setting.
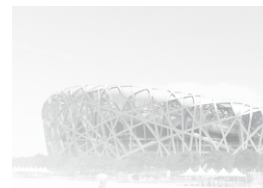
Product Certification is
on Service card back

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 _____

Phone _____   purhcasing ways _____

Address _____

Product name _____   Model _____

After-service record _____

After-service record _____

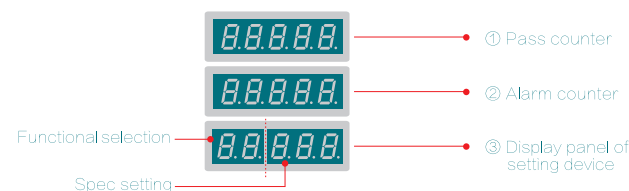After-service record _____

After-service record _____

REMARKS

Function Setting

① Pass counter
② Alarm counter
③ Display panel of setting device

Functional selection
Spec setting

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

Funtional selection
Press ⑥ keyboard
Can select circularly at following functions

Spec setting
Under corresponding functional interface, pressing ④ keyboard and corresponding no "+"
Pressing ⑤keyboard and corresponding no "-"

6/12/18 ZONE

Function	Code			
Working frequency setting	F	1~50	50 levels can be adjusted	
Security level setting	H	0~99	100 levels can be adjusted	
Partition setting	FL	6/12/18	Three kinds detection zones conversion	
	1L	0~399	1detector sensitivity 400 level	
	2L	0~399	2 detector sensitivity 400 level	
	3L	0~399	3 detector sensitivity 400 level	
Left each zone sensitivity setting	4L	0~399	4 detector sensitivity 400 level	
	5L	0~399	5 detector sensitivity 400 level	
	⋮		⋮	
	1R	0~399	1detector sensitivity 400 level	
	2R	0~399	2 detector sensitivity 400 level	
	3R	0~399	3 detector sensitivity 400 level	
Right each zone sensitivity setting	4R	0~399	4 detector sensitivity 400 level	
	5R	0~399	5 detector sensitivity 400 level	
	⋮		⋮	
Alarm volume setting	yL	0~99	Volume 100 levels	
Alarm tone setting	yd	0~99	100 levels	
Alarm time length setting	yc	0~99	Alarm time length 100 levels	
Scene setting	CJ	1~72	72 scenes option(changing sencurity level, each zone sensitivity mode)	
LED lights display setting	Ld	LD 0 (Default)	When left and right panel are installed wrong（when detecting metal object，left and right panel alarm lights will display in the opposite side) changing the value into 1	
battery level	dc	0~100	Indicate the battery level	
automatic frequency adjustment	CF	1~50	Choose suitable working frequency automatically	
Infrared setting	LR		4 kinds infrared mode（infrared mode IR 1ON/IR 2ON/IR ON/IR OFF is to test mode） 0: double infrared both close; 1: only front infrared open; 2: only back infrared open; 3: double infrared both open	
Revise password	C0	＊＊＊	Revise password(refer to first page of manual)	

Press ⑥ keyboard
Can select circularly at following functions

Under corresponding functional interface, pressing ④ keyboard and corresponding no "+"
Pressing ⑤keyboard and corresponding no "-"

Function	Code		
Working frequency setting	F	1~50	50 levels can be adjusted
Security level setting	H	0~99	100 levels can be adjusted
Partition setting	FL	1	Three kinds detection zones conversion
Alarm volume setting	yL	0~99	Volume 100 levels
Alarm tone setting	yd	0~99	100 levels
Alarm time length setting	yc	0~99	Alarm time length 100 levels
Scene setting	CJ	1~72	72 scenes option(changing sencurity level, each zone sensitivity mode)
LED lights display setting	Ld	Ld 0 (Default)	When left and right panel are installed wrong（when detecting metal object，left and right panel alarm lights will display in the opposite side) changing the value into 1
battery level	dc	0~100	Indicate the battery level
automatic frequency adjustment	CF	1~50	Choose suitable working frequency automaticly
Infrared setting	LR		4 kinds infrared mode（infrared mode IR 1ON/IR 2ON/IR ON/IR OFF is to test mode）0: double infrared both close； 1: only front infrared open； 2: only back infrared open； 3: double infrared both open
Revise password	C0	＊＊＊	Revise password(refer to first page of manual)

Press ⑥ keyboard
Can select circularly at following functions

Under corresponding functional interface, pressing ④ keyboard and corresponding no "+"
Pressing ⑤keyboard and corresponding no "-"

| Function	Code		
Working frequency setting	F	1~50	50 levels can be adjusted
Security level setting	H	0~99	100 levels can be adjusted
Partition setting	FL	2/4	Three kinds detection zones conversion
Left each zone sensitivity setting	1L	0~399	1detector sensitivity 400 level
	2L	0~399	2 detector sensitivity 400 level
	3L	0~399	3 detector sensitivity 400 level
	4L	0~399	4 detector sensitivity 400 level
Right each zone sensitivity setting	1R	0~399	1detector sensitivity 400 level
	2R	0~399	2 detector sensitivity 400 level
	3R	0~399	3 detector sensitivity 400 level
	4R	0~399	4 detector sensitivity 400 level
Alarm volume setting	yL	0~99	Volume 100 levels
Alarm tone setting	yd	0~99	100 levels
Alarm time length setting	yc	0~99	Alarm time length 100 levels
Scene setting	CJ	1~72	72 scenes option(changing sencurity level, each zone sensitivity mode)
LED lights display setting	Ld	Ld 0 (Default)	When left and right panel are installed wrong（when detecting metal object，left and right panel alarm lights will display in the opposite side) changing the value into 1
battery level	dc	0~100	Indicate the battery level
automatic frequency adjustment	CF	1~50	Choose suitable working frequency automaticly
Infrared setting	LR		4 kinds infrared mode（infrared mode IR 1ON/IR 2ON/IR ON/IR OFF is to test mode）0: double infrared both close； 1: only front infrared open； 2: only back infrared open； 3: double infrared both open
Revise password	C0	＊＊＊	Revise password(refer to first page of manual)

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.
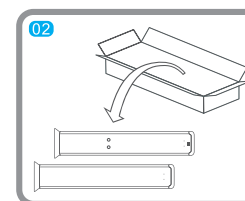
Before working, device setting

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)
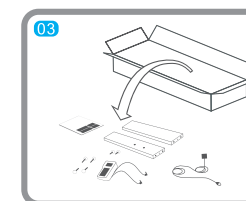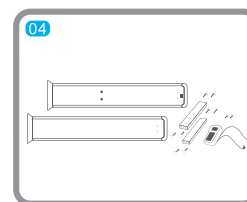
Installation instructions
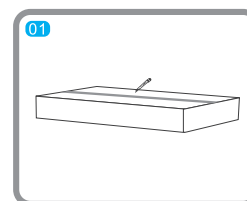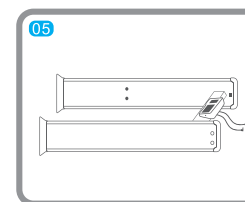

01 Please check whether packing is ok

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

Left door panel   Left probe wire   right probe wire   Right door panel   Host box
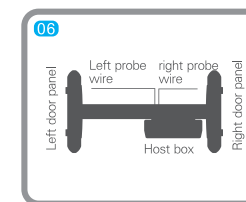
06 Connect the detection wire of host box and both sides panels together
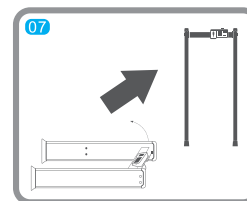
07 Put up the equipment, and finish installation
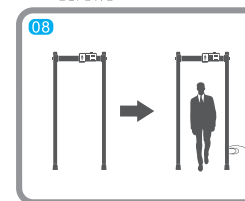
08 Connect power and device, then open starting up button, so device can work normally.

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.

Product Introduction

Prodcut description

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、portable features.

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.
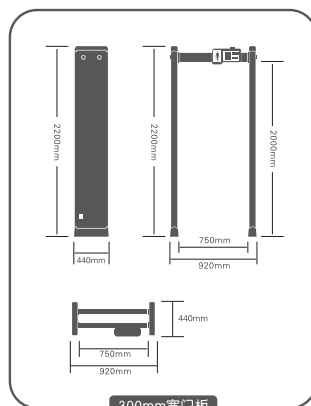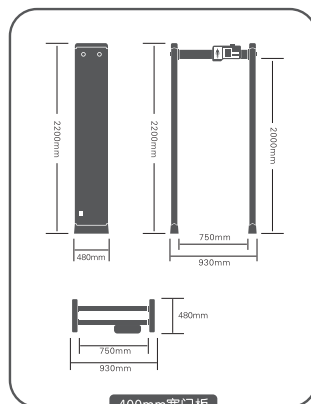
Specification

- Detect object : contraband including mobile phone and metal

400mm宽门板
- 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

300mm宽门板
- 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

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.

2200mm | 2200mm | 2000mm
480mm
750mm
930mm
480mm
750mm
930mm
400mm宽门板

2200mm | 2200mm | 2000mm
440mm
750mm
920mm
440mm
750mm
920mm
300mm宽门板

4/8 ZONE

Press ⑥ keyboard Can select circularly at following functions

Under corresponding functional interface, pressing ④ keyboard and corresponding no "+" Pressing ⑤keyboard and corresponding no "-"

Function	Code		
Working frequency setting	F	1~50	50 levels can be adjusted
Security level setting	H	0~99	100 levels can be adjusted
Partition setting	FL	4/8	Three kinds detection zones conversion
Left each zone sensitivity setting	1L	0~399	1detector sensitivity 400 level
	2L	0~399	2 detector sensitivity 400 level
	3L	0~399	3 detector sensitivity 400 level
	4L	0~399	4 detector sensitivity 400 level
	5L ⋮	0~399	5 detector sensitivity 400 level ⋮
Right each zone sensitivity setting	1R	0~399	1detector sensitivity 400 level
	2R	0~399	2 detector sensitivity 400 level
	3R	0~399	3 detector sensitivity 400 level
	4R	0~399	4 detector sensitivity 400 level
	5R ⋮	0~399	5 detector sensitivity 400 level ⋮
Alarm volume setting	yL	0~99	Volume 100 levels
Alarm tone setting	yd	0~99	100 levels
Alarm time length setting	yc	0~99	Alarm time length 100 levels
Scene setting	CJ	1~72	72 scenes option(changing sencurity level, each zone sensitivity mode)
LED lights display setting	Ld	Ld 0 (Default)	When left and right panel are installed wrong (when detecting metal object，left and right panel alarm lights will display in the opposite side) changing the value into 1
battery level	dc	0~100	Indicate the battery level
automatic frequency adjustment	CF	1~50	Choose suitable working frequency automaticly
Infrared setting	LR		4 kinds infrared mode (infrared mode IR 1ON/IR 2ON/IR ON/IR OFF is to test mode) 0: double infrared both close; 1: only front infrared open; 2: only back infrared open; 3: double infrared both open
Revise password	C0	＊＊＊	Revise password(refer to first page of manual)

Corresponding scene number query (CJ)

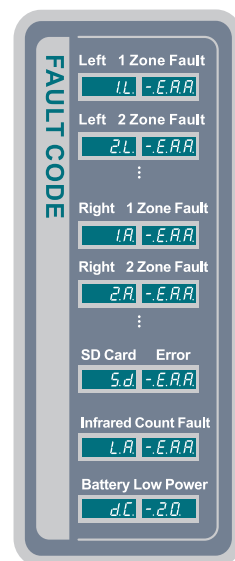|			
1-Court	19-R&D center	37-Lodge	55-Detox
2-Jail	20-Archives	38-Reception room	56-Examination room
3-Procuratorate	21-Museum	39-VIP room	57-Court of Justice
4-Customs	22-Confidential room	40-Office building	58-Food factory
5-Border defence	23-Gymnasium	41-Aid station	59-Bank
6-Government building	24-Meetingplace	42-Club house	60-Exchequer
7-Airport	25-Ceremony	43-Library	61-Exhibition center
8-HSR station	26-Entertainment venue	44-Radio and television	62-Subway station
9-Train station	27-Performance venues	45-Hospital	63-Villa
10-Bus station	28-KTV	46-Weather station	64-Community
11-Pier	29-Bar	47-Radar station	65-Opera house
12-Shelter	30-Market	48-Military base	66-Cinema
13-Printing factory	31-Fire fighting	49-Embassy	67-School
14-Hardware factory	32-Magazine	50-Power station	68-Laboratory
15-Electronic factory	33-Jewelry store	51-Hotel	69-Calaboose
16-Precision instrument	34-Electroplating	52-Natatorium	70-Hospice
17-Mining	35-Die casting	53-Public security bureau	71-Art gallery
18-Oil depot	36-Precious metals	54-Complaints Bureau	72-Amusement park

Common Fault Handling

Fault code

① Pass counter
② Alarm counter
③ Fault code display

FAULT CODE

Left 1 Zone Fault	`1.L` `-.E.R.R.`
Left 2 Zone Fault	`2.L` `-.E.R.R.`
Right 1 Zone Fault	`1.R` `-.E.R.R.`
Right 2 Zone Fault	`2.R` `-.E.R.R.`
SD Card Error	`5.d` `-.E.R.R.`
Infrared Count Fault	`L.R` `-.E.R.R.`
Battery Low Power	`d.C.` `-.2.0.`

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

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 line between main chassis and the door panels has been plugged in with AC220V power cord. 2.Check whether the power cord is damaged, broken, poor contact, and the main chassis power supply is normal.	1.Motherboard fault 2.Circuit fault	Visual, Manual operation
2	Boot does not show	The LCD screen does not light Digital board is not bright	Check whether the motherboard connector panel is inserted properly.	Replace connecting line or display and digital board.	Visual, Manual operation
3	No count	The through number shows 0001 or 0000 or even not counting.	We picked up a phone, turn on the camera, the lens on the dot at the door will emit aglowing red dot, which means the infrared emission is normal, if not, the infrared is broken.	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 the surroun ding environ ment, ortry to change the frequencies. 2. When the sunlight direct to the infrared component, it may also appear automatic alarm.	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.	Normally it is because the sensitivity is too low, try to increase the sensitivity of eachzone.	Debugging capturecard.	Visual, Manual operation

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
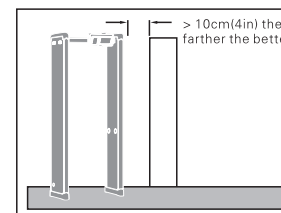
Fixed the metal objects

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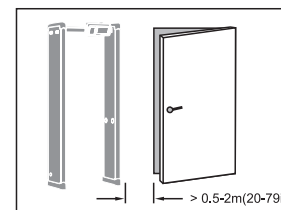
> 0.5-2m(20-79in)

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.
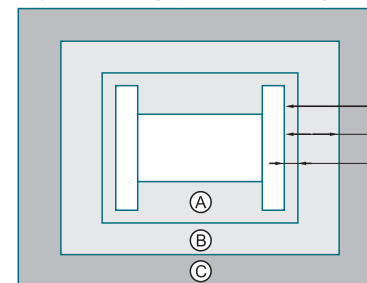

> 0.5m(20in)
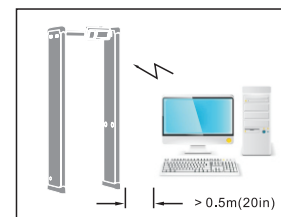
Radiated electrical interference

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.

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