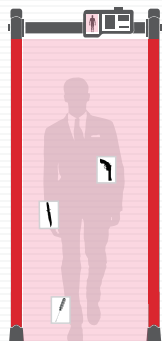


# Detection Zones Diagram of walkthrough metal detector

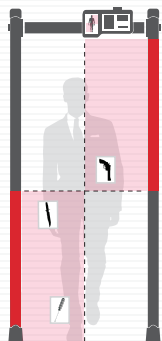


Multi-zone intelligent walk through metal detector

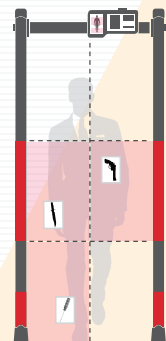
“



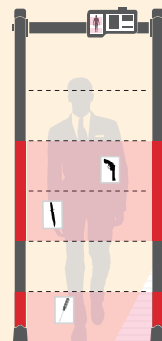
Single zone



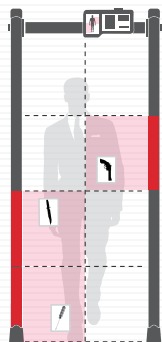
Three-dimensional 4 zones



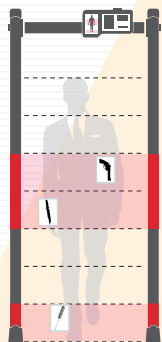
Erect 4 zones



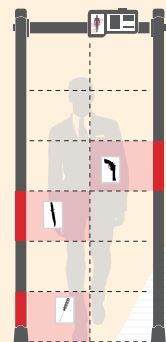
6 zones



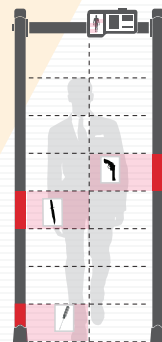
Three-dimensional 8 zones



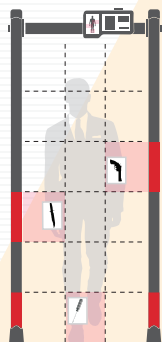
Erect 8 zones



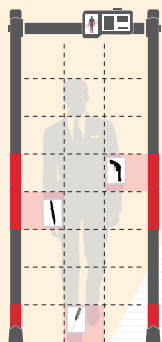
12 zones



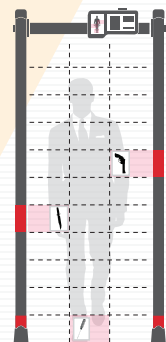
16 zones



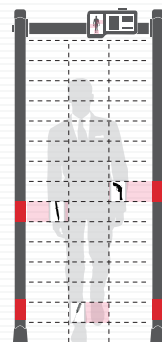
18 zones



24 zones



33 zones



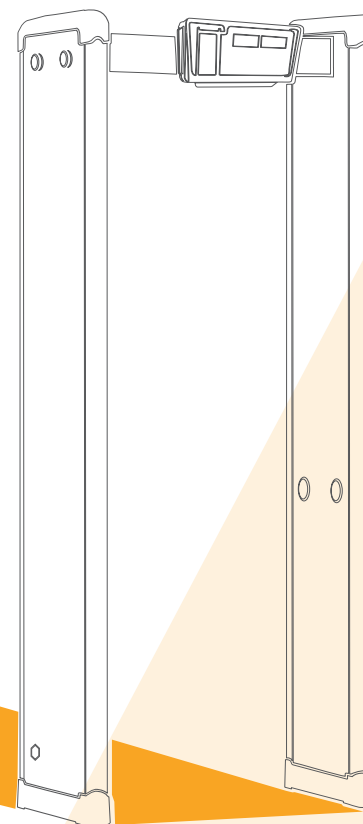
45 zones

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

”

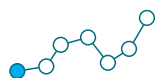
## INSTALLATION AND OPERATION MANUAL

English Version  
NIME 20-18-1

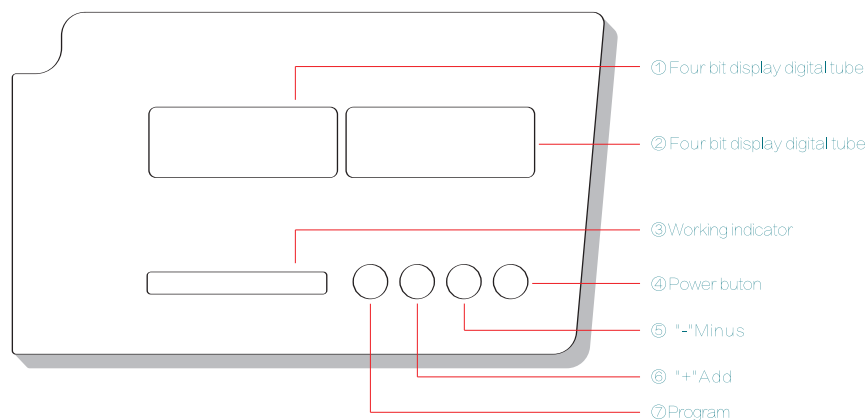


SERVICE CARD





# Control Panel Settings



## Starting up

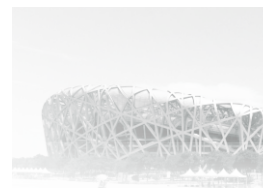
Click ④ Power button-starting up, then ①② display: 0000 0000.

## Input password

Boot and press the program bottom , display P 0000, enter the password, the initial password is P 0000, press 6 corresponding selection number (from 0 to 9 cycle), press 5 right shift bit digital tube (can cycle shift, choose corresponding bit twinkle), if password fault, can't enter the system, press 7 to re-enter the password ,until the correct password, then press 7 (program button) access the interface of setting specification.

## Revising password

Starting up display 0000 0000, then keeping pressing 7 (program button) the screen display P 0000, enter the old password, press the 7 (program button) to determine, display C---, press 7 (program button) ,the screen shows the old password (0000) the initial password is P 0000, then can enter (modified) new password , then press 7 (program button) save and into the 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 \_\_\_\_\_ purchasing ways \_\_\_\_\_  
Address \_\_\_\_\_  
Product name \_\_\_\_\_ Model \_\_\_\_\_  
After-service record \_\_\_\_\_  
After-service record \_\_\_\_\_  
After-service record \_\_\_\_\_  
After-service record \_\_\_\_\_

\*REMARKS\*



RECYCLE © Patented products, counterfeiting are allowed



# Function Setting



## Functional selection

Press ⑦ keyboard  
Can select circularly at following functions

Function	Code
Security level setting	H
Working frequency setting	F
Sensitivity Settings for each zone	L1
	L2
	L3
	L4
	L5
	:
Alarm time length setting	d
Alarm volume setting	y
Alarm tone setting	yd
Infrared setting	R

## Spec setting

Under corresponding functional interface, pressing  
⑥ keyboard and corresponding no "+"  
Pressing ⑥ keyboard and corresponding no "-"

1~20	20 levels can be adjusted
1~50	50 levels can be adjusted
1~200	1 detector sensitivity 200 level
1~200	2 detector sensitivity 200 level
1~200	3 detector sensitivity 200 level
1~200	4 detector sensitivity 200 level
1~200	5 detector sensitivity 200 level
:	:
1~3	Alarm time length 3 levels
0~2	Volume 2 levels
1~10	10 levels
1~3	3 kings infrared mode (Front IR ON / Back IR ON / 2 IR ON)



Before revising device specification please read this section carefully.



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





# Product Introduction

## Product 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 training.

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 )
- Query function: the system with real-time information query function.
- Detection ability: at least detect 100 persons within one minute.

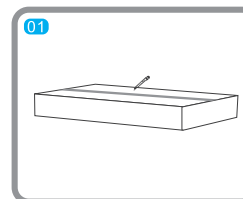
## Specification

- Detect object : contraband including mobile phone and metal
- Weight : net weight 44 KG, gross weight 52 KG;
- External size : 2185x855x 470 mm
- Passage size: 2030x700x470(the width of passage can be customs made from 700-1500 mm)
- Packing size: 2265x690x220mm
- Volume : 0.344m<sup>3</sup>
- Weight : net weight 38 KG, gross weight 43 KG;
- External size : 2170x840x 460 mm
- Passage size: 2030x700x460(the width of passage can be customs made from 700-1500 mm)
- Packing size: 2295x700x200mm
- Volume : 0.321m<sup>3</sup>
- 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

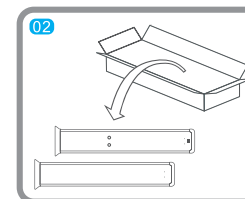
400mm door panel 300mm door panel



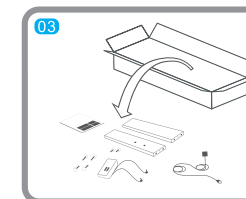
# Installation instructions



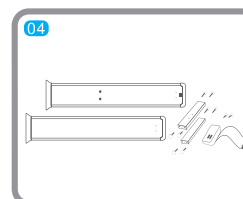
01 Please check whether packing is ok



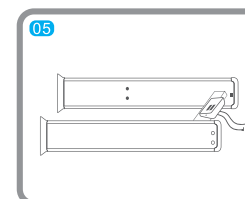
02 Take out left and right door panels from door panel carton



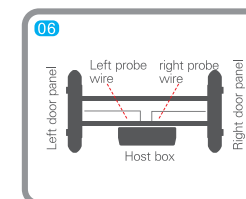
03 Take out the manual, cross beam, host box, power wire from main unit carton



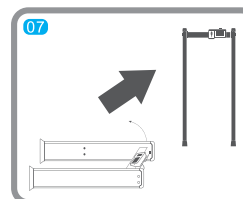
04 Prepare door panel, cross beam, host box, screws according above diagram



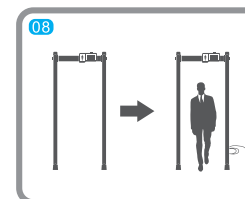
05 Install cross beam and host box according to above diagram, meanwhile tighten screws



06 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.



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.

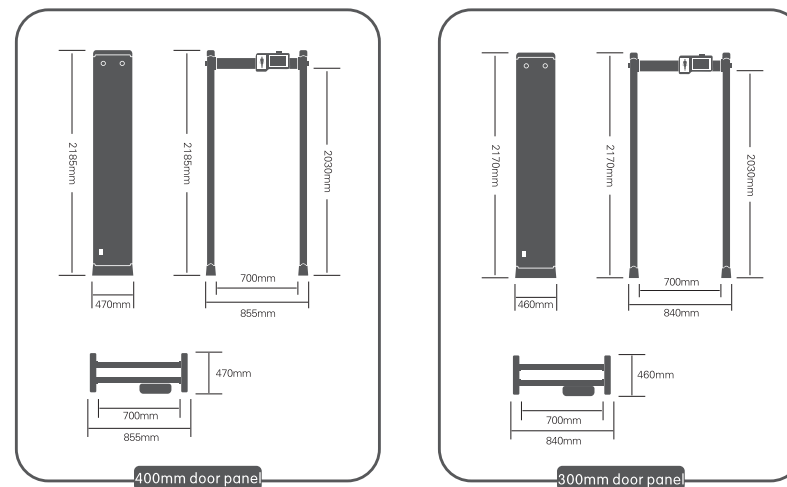




# Common Fault Handling

## 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 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



## 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.



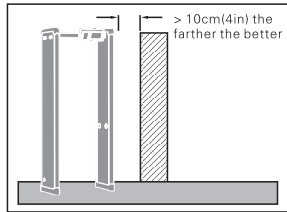


# Kind Attention

## 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.

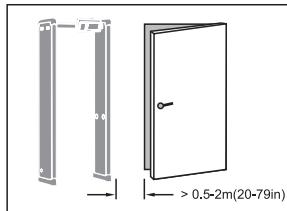


### Fixed the metal objects

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.

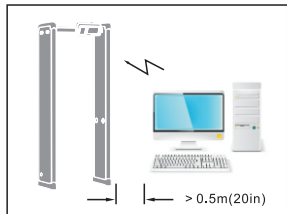


The distance of this section is recommend distance, the actual distance should be decided upon the installation site conditions.



### 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.



### 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.

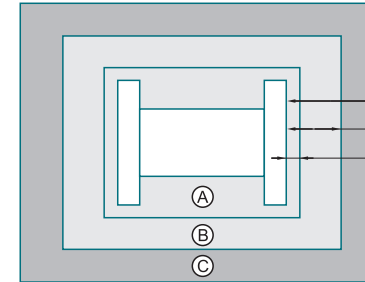
Interference may be provided by electronic control panel, radios and computers, image display, high-power motors and transformers, AC cord, thyristor control circuits, flash welding equipment fluorescent tubes and other equipment.



Please first read this section before installing device.

### 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)

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 multiple 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)

