

# ZK-D1090

## Cost-effective Walk-through Metal Detector with 9 detection zones



2.8" TFT Color Screen



9 detection zones



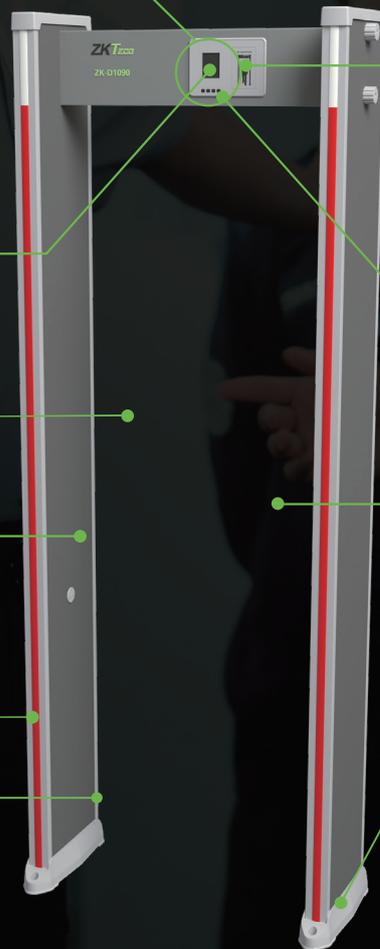
Safe for pregnant women, pacemaker users and harmless to the human body



Audio alerts with LED glowing when metal is detected.



Strong anti-interference



Alarm and people count statistics



Password protection



500 adjustable sensitivity levels



Waterproof cover made of flame retardant ABS polymer

### Introductions

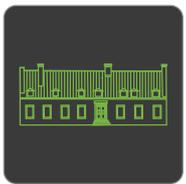
The ZK-D1090 is a budget-friendly walk through metal detector, ideal for ensuring human security in schools, public venues, and corporate entrances. With 9 detection zones and 500 adjustable sensitivity levels, it delivers reliable contraband detection, even for a coin with a diameter of 22.25mm, while maintaining safety for users.

Equipped with a 2.8-inch color screen for easy operation, the ZK-D1090 provides clear alerts through synchronized LED and audio signals. It also tracks pedestrian counts and alarm occurrences for efficient monitoring. The detector features anti-interference technology and a high throughput design, making it perfect for high-traffic areas.

## Features

- Up to 9 detection zones and 500 sensitivity levels allow precise contraband detection.
- The 2.8-inch color screen for easy set up.
- Clear threat indication with synchronous sound alert and LED indicator.
- Display the number of pedestrians passed and alarm count accurately.
- Accurate detection of small threat items or contrabands (e.g. as small as coin Dia. 22.25mm).
- Automatic setting of sensitivity and channel.
- Simple installation and easy to use.

## Applications

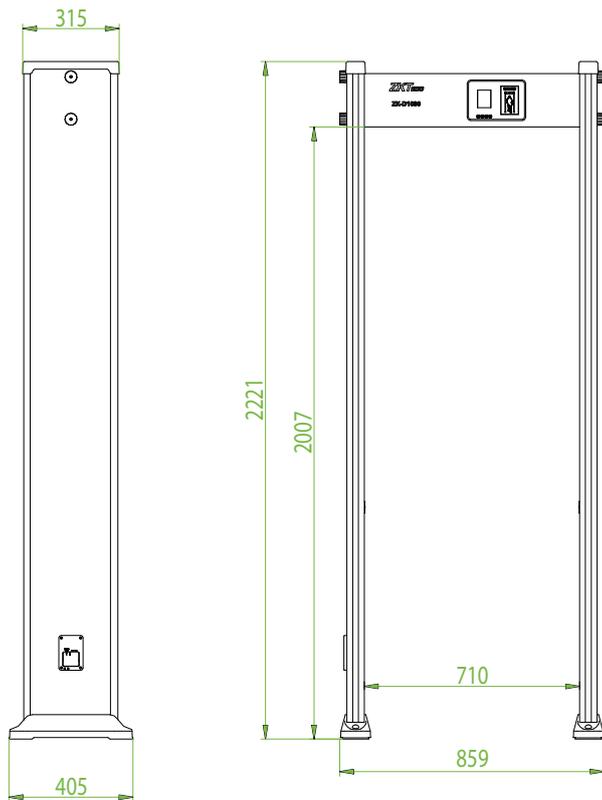


## Specifications

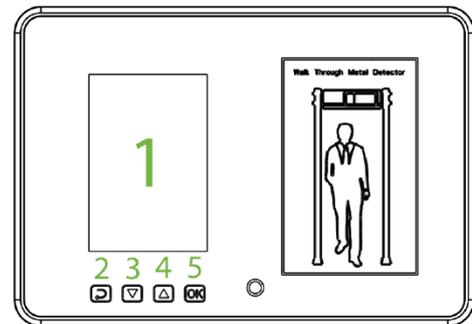
Model	ZK-D1090
Display	2.8" TFT Color Screen (240 X 320)
Physical Keypad	4 keys
Overhead Control Unit	Channel, Time, People Count, Alarm Count
Detection Mode	Automatic Detection Mode / Infrared Detection Mode (default)
Maximum Detection Distance	20mm to 2000mm (vertical)
Throughput	> 40 persons per minute
Sensitivity Level	500 levels
Detection Zone	3 (vertical) / 3x2 grid / 3x3 grid (adjustable)
Channel	100
Smallest Metal Objects Detected	Φ22.25*T1.85 mm(Steel-nickel Alloy)
Power Supply	AC100V to 240V (DC12V/3A)
Input Voltage	DC12V
Operating Current	0.8A
Operating Power	10W
Operating Time (Estimated)	24 / 7 operation capability (continuous operation)
Detection Sound Alert	6 types of alarm tones (adjustable), 0-6 levels of volume (max 80 dB)
Detection Visual Indicator	2 sets of LEDs (red) evenly distributed on left and right door panels
Self-diagnosis Program	Support
Number of IR Groups	1
Detected Contraband	Ferrous and non-ferrous metal weapons

Enclosure Material	Flame Retardant ABS Polymer, Medium Density Fiberboard, PVC
Operating Frequency	5.7 kHz to 9.6 kHz
Operating Temperature	-10°C ~ 45°C
Storage Temperature	-20°C ~ 55°C
Operating Humidity	< 95% RH (non-condensing)
Ingress Protection Rating	N/A (waterproof and dustproof), N / A (vandal resistant)
Application Environment	Indoor
Dimensions (L*W*H)	2221 * 859 * 405mm
Lane Size (L*W*H)	2007 * 710 * 315mm
Dimensions with Packaging (L*W*H)	2280 * 457 * 280mm
Weight	Gross Weight: 35kg Net Weight: 27kg
Interface	Relay Output: NO Network Interface: NO
Remote Control	NO
Certifications	CE, FCC, ISO9001

## Dimensions(mm)



## Control Panel



The components of the Control Panel are given below:

**LCD:** Displays the Pass count, Alarm count, Password settings, and other information.

**ESC:** Press to discard the settings and exit the menu.

▽: Adjustment (decrement) key to decrease the parameter values.

△: Adjustment (increment) key to increase the parameter values.

**OK:** Opens the Menu interface, saves the settings, and exits the menu.

