



## WTD-SG-9ZC

### Thermal Camera Based Multi Zone Walk Through Metal Detector



Powered By

SAFEGATE-9ZC is a high performance nine zone walkthrough metal detector capable of detecting above normal body temperatures associated with known fevers as well as the detection of a wide range of threat metal objects.

High resolution thermal camera with resolution of 256x192 provide fast and accurate fever detection. The built-in system automatically detects face for correct thermal readings. Above normal body temperature may be associated with fevers such as COVID-19 CORONAVIRUS, EBOLA, SARS or other flu variants.

Each metal detection zone functions as an independent detector and automatically increases discrimination by reducing the cumulative signal effect caused by distributed harmless objects.

LED bar-graph, indicator lamps, sensitivity and alarm controls are provided in the console at the top of the door frame.



**High Speed Scanning**



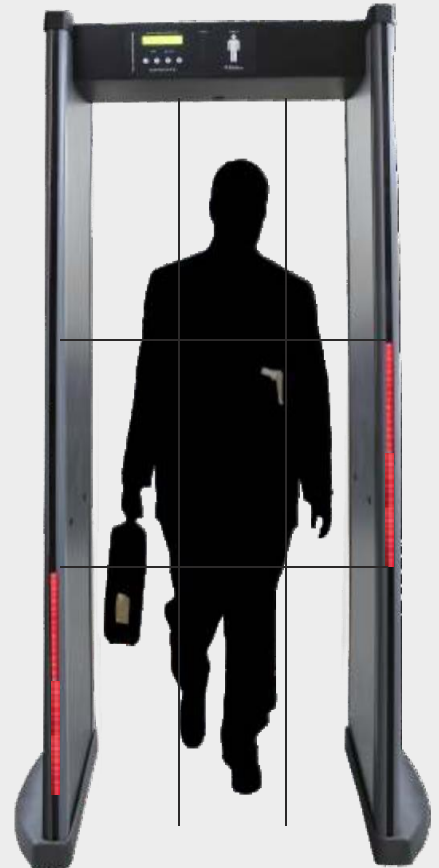
**Metal Detection**



**No Contact**



**Temperature Log**



- Reliable temperature exception alarm function.
- Thermal camera-based contact less body temperature detection.
- 3D DNR, image detail enhancement.
- Camera IR Intensity and Angle Automatically adjusted.
- Fast measurement provides unhindered flow of traffic
- Distinct alarm in case of high fever.
- Automatic face tracking with recording.
- 9 zone metal detection for precise target location.
- Built-in battery backup of over 12hours.
- Intelligent traffic counter.
- Access to programming protected by password.
- Low field strength - no effect on pacemakers & magnetic media.



**SENSITIVITY:**

250 sensitivity levels for precision detection of target objects.

**CALIBRATION:**

Automatic calibration. No initial or periodic calibration necessary.

**DETECTION ZONES:**

9 overlapping detector zones.

**INDICATORS:**

- a) Adjustable audio indication.
- b) LED bar graph signal strength indicator
- c) High bright LED zone display
- d) Large LCD display for counting and message annunciation

**INTERFERENCE REJECTION:**

High immunity to external electrical interference, such as x-ray machines, Computer or CCTV monitors detected

**MEMORY:**

Parameters stored in non-volatile RAM so no loss of settings as a result of power failure or turning off the unit

**PASSWORD PROTECTION:**

Two level password protection to prevent tampering of settings

**TRAFFIC COUNTER:**

Microcontroller based intelligent LCD counter to indicate in, out and algebraic sum of the traffic. It also keep a track on number of Alarms and Alarm percentage.

**THERMAL CAMERA:**

State of art 25FPS 256 x 192 resolution thermal camera for fast scanning of body temperature

**MEASUREMENT DISTANCE:**

Camera IR Distance Up to 10 - 15 mtr.

**TEMPERATURE RANGE:**

86 Deg F to 113 Deg F.

**POWER SOURCE:**

SMPS 90-270V AC & 12V/7AH Battery Seamless battery changeover in case of mains failure Batteries are internally & automatically charged during operation

**BATTERY BACKUP:**

Integral rechargeable Battery with built-in charger to cope with power failures of over 12 hours

**CONSTRUCTION:**

Rugged structure made with ABS coating detachable side panels for ease to install & transportation

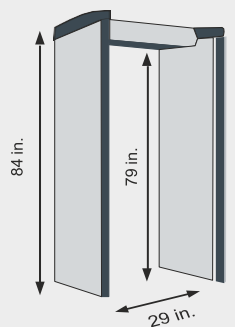
**TEMPERATURE:**

-10Deg C to +55Deg C & humidity of 95% non-condensing

**WEIGHT:**

70Kgs (Approx)

# WOTD-SG-9ZC

**CAMERA BI-SPECTRUM IMAGE FUSION:**

Fusion view of thermal view and overlaid details of the optical channel.

**CAMERA PICTURE IN PICTURE:**

Combines details of thermal and optical image PIP, overlay thermal image on optical image.