

# OPD-533TM Digital Body Temperature Checking and Metal Detector Security Gate

## Overview

OPD-533TM is a walk-through security gate with metal detection and temperature measurement functions. OPD-533TM can detect tiny metals with high accuracy and offers a LCD screen for easy operation. Its non-contact temperature measurement helps epidemic prevention and control. OPD-533TM can be widely applied in universities, office buildings, communities, hospitals, factories, casinos, sport- and leisure centres, etc. The included face recognition terminal with wrist temperature measuring device can be used for (1) face recognition based person identification, (2) RFID card based person identification, (3) control of mask wearing, (4) control of safety helmet wearing and (5) body temperature checking. Multiple combinations of (1), (2), (3), (4) and (5) are configurable based on location's demands.

Important note on **GDPR** conformity: When installed in a public place, where it is not possible to achieve data management permit from all participants, the terminal can work with disabled face recognition function.



## Features

- Highly sensitive metal detector can pinpoint locations of metals, adjustable zone sensitivity levels allow effective detection of banned objects.
- The numbers of alarms and people passing the gate are displayed on LCD screen in real time.
- Average pass-thru capacity: average 2-4 seconds per person, w/o manual checking.
- Multi-zone alarm at the same time.
- Password protection can prevent unauthorized configuration changes.
- Non-contact temperature measurement on the wrist, can sound an alarm when a high temperature is detected.
- 30°C~45°C measurement range, high accuracy (precision to 0.1°C, measurement deviation  $\leq 0.3^\circ\text{C}$ ), 1cm~3cm measurement distance.
- Built-in deep learning dedicated chip, supports local offline face recognition, 10,000 face capacity, face whitelist, fastest recognition time 0.2 seconds

- WDR, 2MP (1080P) low illumination wide-angle camera and F1.6 large aperture lens for capturing high quality image with various complex lighting scenes
- Support anti-spoofing detection based on deep learning algorithm, effective against fake photo and video fraud
- Support face exposition metering and human metering for fast adapting to ambient light
- Screen sleep mode supported, keeps the minimum brightness to prevent glare at night
- Up to 3 informational/advertising banners displaying supported
- Support adding up to 6 photos of a single person to the base library of face recognition
- Support video capture, support ONVIF protocol. Two-way audio transmission supported.
- Built-in 4GB EMMC front end storage, stable and reliable, up to 30,000 pass-thru events capacity (with images)
- Modular design, easy to install.

## Specifications

Features Parameter	Description
Display	5.7" LCD screen + 7" LCD touch screen
Terminal operation system	Embedded Linux
Face recognition accuracy rate	>99%
Face recognition time	200ms
Face capacity	10,000
RFID card capacity	10,000
Internal storage capacity	4GB
Event capacity	30,000 (with images)
Metal detection zone	18 detection zones
Detection sensitivity	0-255 levels for each detection zone.
Remote control	Standard IR control for remote operations
Alarm mode	Simultaneous sound and light alarms
Counting	Count the number of people walking through and the number of people that triggers an alarm
Measurement area	Wrist
Measurement range	30°C to 45°C
Measurement precision	0.1°C
Measurement deviation	< ±0.3°C
Measurement distance	1cm~3 cm
Power supply	AC 100V~240V
Dimensions (L × W × H)	External size:2220mm×835mm×578mm, Internal size:1990mm×700mm×578mm
Operating environment temperature	15°C to 30°C
Operating humidity	<80%, non-condensing
Application environment	Indoor, windless environment