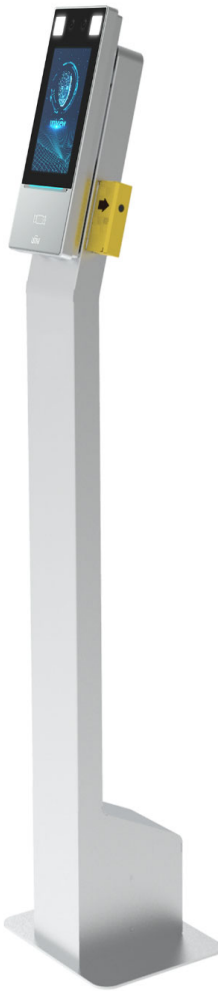
OET-213H-BTS1 Face Recognition Access Control Terminal with Digital Temperature Measurement Module

Product Overview

The **OET-213H-BTS1** digital temperature measurement face recognition access control terminal is a kind of stand-alone access control device with precise recognition rate, large storage capacity and fast recognition, which integrates UNV face recognition technology and non-contact temperature detection technology. The digital temperature measurement module supports rapid body temperature detection, thus, the product can achieve face recognition and temperature detection at the same time, and support warning people with abnormal body temperature. It can be widely applied in the crowded places, such as smart communities, schools, office buildings, hospitals and other important areas.

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



Floor-stand installation

Wall-mounted installation

*Attention: Floor-stand installation requires additional **EP-S31-W-NB** bracket.

Product Features

- Support contactless detection of wrist temperature, support warning for people with abnormal body temperature
- Support **GDPR**-conforming operation with disabled face recognition
- Support configuration of temperature detection threshold value, and person access authorization can be linked to temperature detection threshold value
- Non-contact wrist temperature detection module, measurement range is between 30°C to 45°C, accuracy is 0.1°C, std. deviation is bellow 0.5°C
- Measurement working distance is from 1cm to 2.5cm (wrist-to-sensor distance)
- Deep learning algorithm model based on UNV independent intellectual property algorhytm, face recognition accuracy rate >99%, false rate <1%
- Built-in deep learning dedicated chip, supports local offline 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
- Suggested mounting height for face recognition: between 0.8m and 2.2m, face recognition distance: 0.2m to 2.9m
- Screen sleep mode supported, keeps the minimum brightness to prevent glare at night
- Support adding up to 6 photos of a single person to the base library of face recognition
- Support video capture, support ONVIF protocol
- Support face, card, password and QR code authentication to control door opening
- Two-way audio with indoor monitoring
- Built-in 4GB EMMC front end storage, stable and reliable, up to 30,000 events capacity (with images)
- Support tamper protection, support door open timeout and time exceed alarm function to keep door opening during fire alarm active

Product Specification

Features Parameter	Description
Operation System	Embedded Linux
Face Recognition Accuracy Rate	>99%
Face Recognition Time	200ms
Face Capacity	10,000
Storage Capacity	4GB
Event Capacity	30,000 (with images)
Measurement Range	30°C - 45°C
Measurement Accuracy	0.1°C
Measurement Deviation	< ±0.5°C
Measurement Distance	1cm - 2.5cm wrist distance from sensor
Authentication Mode	Face Whitelist: (1:N)
Door Opening Method	Card: (1:N)
	Face + Body temperature
	Face, Password, QR code, Card
Communication Mode	10/100Mbps adaptive network port
Card Type	Mifare 1 Card
User Management	Support user library addition, deletion, update
Record Management	Support local recording and real-time upload
Interface	LAN x 1, Wiegand Input x 1, Wiegand Output x 1, RS485 x 1, Alarm Input x 2, Alarm Output x 1, USB2.0 x 1, Lock x 1, Door Contact x 1, Exit Button x 1
Power Supply	Input 12V ±25% DC
Screen	Touch Screen, Size:7 inch, Resolution: 600×1024
Camera	Dual Lens, 2MP, 1080P
Supplement Light	LED soft light and infrared light
Dimensions (L x W x H)	Terminal: 134.0mm x 33.0mm x 305.0mm (w/o temperature sensor)
Working Environment	For terminal: -20°C - +65°C, Relative Humidly <95% (non-condensing) For body temperature module: +10°C - +30°C
Protection Level	Both terminal and module: IP 54
Application Situation	Indoor, No wind