inspiraz
TECHNOLOGY

MTC-50 Series

MOBILE TEMPERATURE CHECKER

PRODUCT OVERVIEW

INTRODUCTION

MTC-50 series is a tablet-based system, equipped with face recognition temperature detection system. It is a non-contact thermal imaging temperature detection module, and automatically detects "fever suspect" for those who is measured higher than the reference setting. The person will be taken aside by the security for reconfirmation. It also supports alarm with real-time voice warning and automatically saves the image when required.

MTC-50 uses a 2MP high resolution camera, coupled with AI recognition software to achieve good face recognition. The system will be able to detect the forehead temperature of the personnel to identify the "fever suspect". The system can also be connected to a remote computer to have the mirroring image on the screen, and to do web management too. It also has the option to have an integrated ID card reader for additional verification.

As it is a simple-to-use product, it can be installed in offices, child-care, schools, receptions, factories, religious location, etc. In places where there are turnstile for entry, the system can be integrated together to prevent any "fever suspect" from entering the facility.

KEY FEATURES

❖ Short setup time, & ease of use..

❖ Supports up to 20,000 people face template, with a recognition speed less than 1 second/person.

❖ It can be used for 1:1 person-ID verification or 1:N verification, including multi-face library comparison, ID and face recognition.

❖ The system software can be upgraded by thumb drive or through the network.

❖ Face template can be registered by the local terminal, or by doing batch template registration through the web management software on a remote PC.

❖ MTC-50 can be integrated to the door or turnstile to prevent "suspect fever" personnel from entering the premises, and to get them to report to their superior promptly.

❖ The network authentication function can be linked to the security department so that visitors without ID cards can be identified.

❖ The web management system for MTC-50 can be accessed externally using PC or mobile device via IP address. It can be used for management of the face template, face recognition record and data retrieval..

❖ IP level： IP65

APPLICATIONS

- ❖ Public Buildings
- ❖ Offices
- ❖ Malls
- ❖ Factories
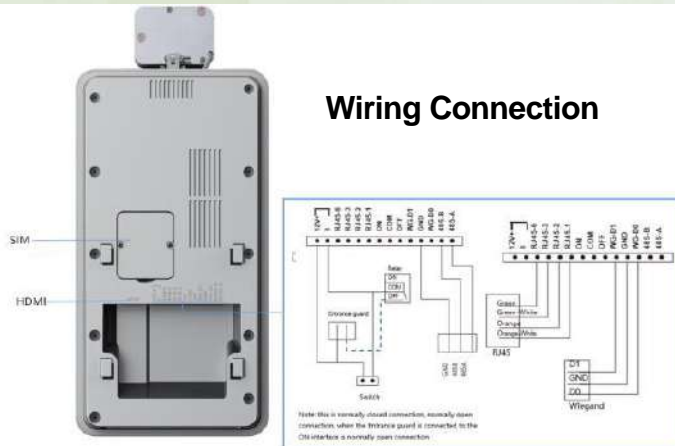- ❖ Schools/Child-care Centres

SPECIFICATION

System	OS	Android 5.1
	LCD	7" TFT LCD, resolution ratio: 600x1024
	Touch	Capacitive touch screen
	CPU	RK3288, 4-core
	RAM	DDR3 2GB
	FLASH	16GB
	WIFI	802.11b/g/n，2.4GHz
	Bluetooth	Bluetooth 4.0
	Camera	Monocular camera RGB resolution ratio: 2 million pixels (1920×1080)
	LED	White light, RGB camera supplementary light source
	Proximity Sensor	Effective recognition of linear distance greater than 1 m, automatic sleep
	ID Card Reader (Optional)	Support NFC tag, RF card (13.56 MHz)；NFC(ISO 144443a, 144443b)
	Microphone and Speaker	Speaker: single way, 8 Ω / 2 w; Microphone: 16 - bit high - fidelity voice
	Mounting Bracket	Option of wall mounting bracket or desktop mounting bracket
Interface	HDMI	HDMI HD video output interface
	LAN	10/100Mbps，RJ45
	USB	1*micro USB
	Output Relay	Single way switch relay switch (door lock), industrial connector output interface
	Wiegand	Support for 26 - and 34-bit Wiegand interface, industrial connector output interface
	RS485	Single-way wired RS485 interface, industrial connector output interface
	Power Supply	DC 12~24V
Temperature Module	Method of Measurement	Dot-Matrix Thermal Imaging
	Resolution	32 * 32
	Measuring Rate	0.5 to 0.8 seconds
	Temperature Resolution	0.02 °C
	Accuracy	±0.5 °C
	Measuring Distance	Maximum detection distance is 80cm, Optimal temperature measuring distance is 60cm.Temperature detection will be on the forehead
	Operating Range	-10 °C to +100 °C
	Optimal Ambient Temperature	Above 10 °C
	Sensor FOV Parameter	34°
	Size	74*46*22 mm (excluding bracket)
Mechanical	Structure	Back Panel - Zinc Alloy, Front Panel – ABS
	Colour	Silver
	Dimension	142.5mm (W) X 318.5mm (L) X 58mm (D)
	Weight	1.31kg
Others	Certification	CE, FCC Class B, CCC

MTC-50 Series

74mm

46.5mm

272mm

58mm
Include wall mounting bracket

142.5mm

Wiring Connection

SIM

HDMI

Note: this is normally closed connection, normally open connection, when the entrance guard is connected to the ON interface a normally open connection

Mounting Bracket

170mm

100mm

46.00mm

73.75mm

Note: The hole should not exceed 47mm

CONTACT DETAIL

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