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# Screening Solutions for Epidemic Prevention



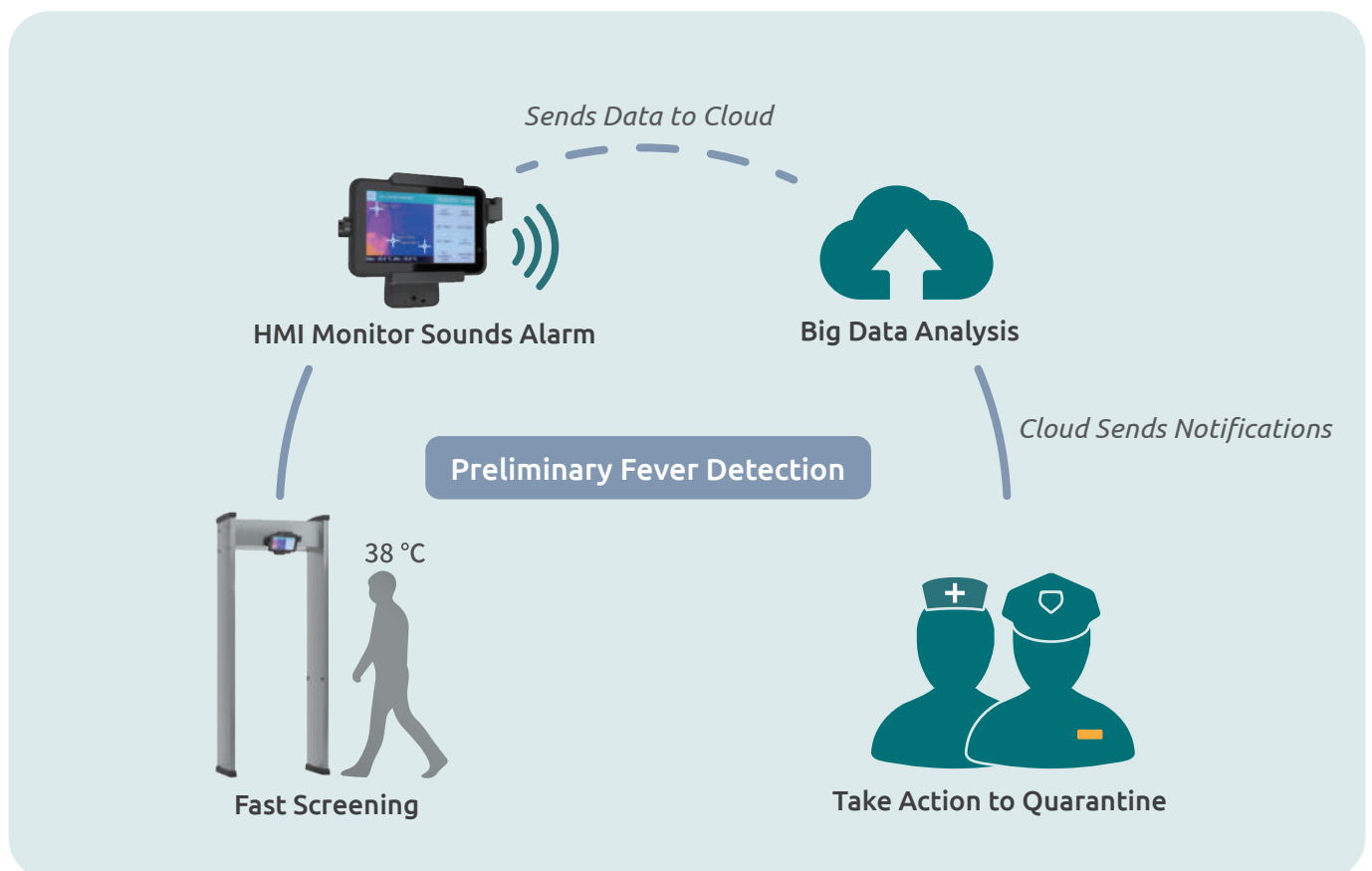


# Preliminary Fever Detection Solution

## IIoT for Temperature Screening

Compact design thermal camera paired with HMI provides a simple deployment for temperature screening stations

Provides on-site warning and notifications service when high temperature is detected



# Fever Detection Solution

MTA-3078T



## Features

- Quick preliminary fever screening without contact
- HMI & thermal camera integrated all-in-one solution
- Intuitive user interface with touchscreen and physical buttons
- AI human recognition for accurate temperature measurements
- On-screen & audio alerting system
- FLIR camera module, blackbody & offset adjustment to enhance accuracy
- Slim design, easy deployment

### System

Measuring Distance 0.5M ~1M

Accuracy  $\pm 0.5^{\circ}\text{C}$  (@ $25^{\circ}\text{C}$ ) (after calibration to environment)

Offset Adjustment On-screen adjustment,  $\pm 5^{\circ}\text{C}$

System Power 5V/2A

### HMI

HMI Display 8" Capacitive touch screen

CPU Quad-Core ARM Cortex-A53 1.0Ghz

OS Android 7.0

Memory 3GB LPDDR2

Storage 16GB eMMC

Brightness 400 nits

Control Reset button, Volume control

I/O Micro USB (power connection)  
microSD card slot (max 64G) (for App upgrade)

LED Power status LED

### Thermal System

Thermal Imaging FLIR Lepton 2.5, on board

Spectral Range Longwave infrared, 8 $\mu\text{m}$  to 14  $\mu\text{m}$

Array Format 80 x 60

Field of View 51° x 63.5° (H x D)

Power Jack 1 x 3-pin M8 power jack (IP67)

Button Power button

LED 3-color LED; Pair, Link, Activity

Calibration Blackbody,  $\pm 0.3^{\circ}\text{C}$

Blackbody Power Power Input: DC5V/2.5A  
Power adapter: 5V/2.5A, 3M

### Communication

Wi-Fi 802.11 a/n/g/n

WiFi Antenna Built-in dual band (2.4G/5G) chip antenna

### Certifications

Compliance CE, FCC, NCC

### Mechanical

Dimensions Blackbody: 90 x 130 x 33 mm (W x H x D)

Net Weight MTA-3078T w/o magnetic holders: 1.40 kg  
MTA-3078T w/ magnetic holders: 1.59 kg  
Blackbody: 0.81 kg

Working Temp. 15~30  $^{\circ}\text{C}$

Storage Temp. -10~50  $^{\circ}\text{C}$

### Package

#### Contents

- MTA-3078T (including Infrared camera, HMI, mounting plate, Y-power cable and 2 x magnetic holders, all preassembled)
- Blackbody Calibrator, w/ power adapter

Package Dimension 500 x 310 x 125 mm (L x W x H)

Weight 4 kg

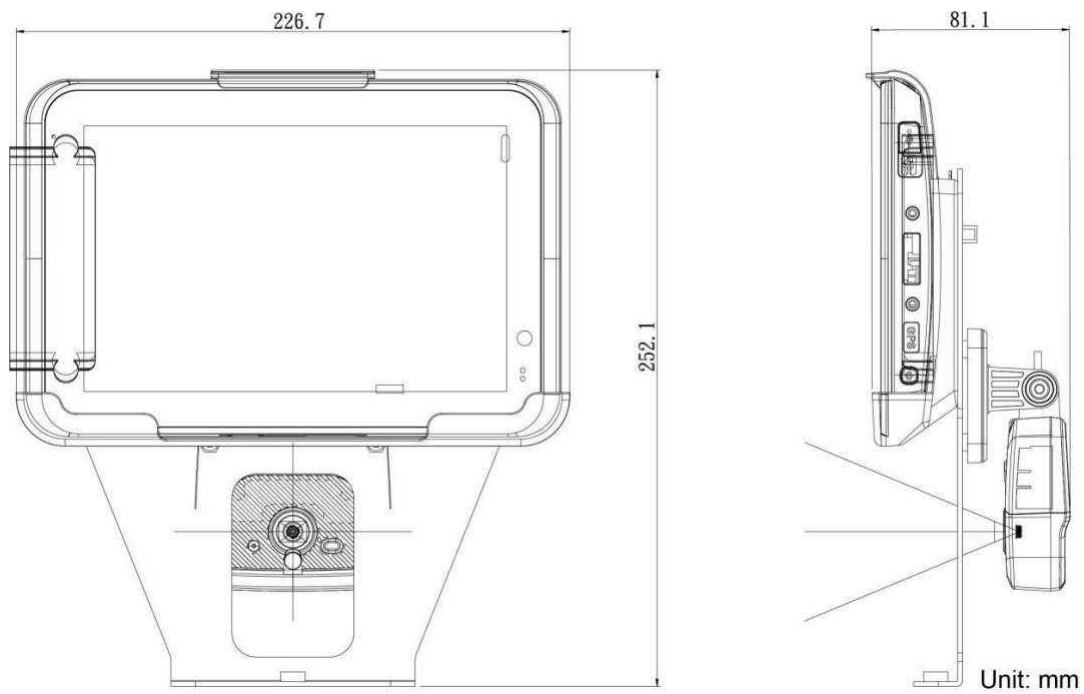
All specifications are subject to change without further notice.

Last update: 27/04/2020



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## Dimensions



Disclaimer: Midas Touch, Inc. products depicted herein are not FDA approved medical devices and are not intended for use in the diagnosis of disease or other conditions, or in the cure, mitigation, treatment, or prevention of disease. When configured correctly, the Midas Touch products discussed herein can identify elevated human skin-surface temperature relative to a sample population.



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