



Midas Touch

magic embedded

# Screening Solutions for Epidemic Prevention



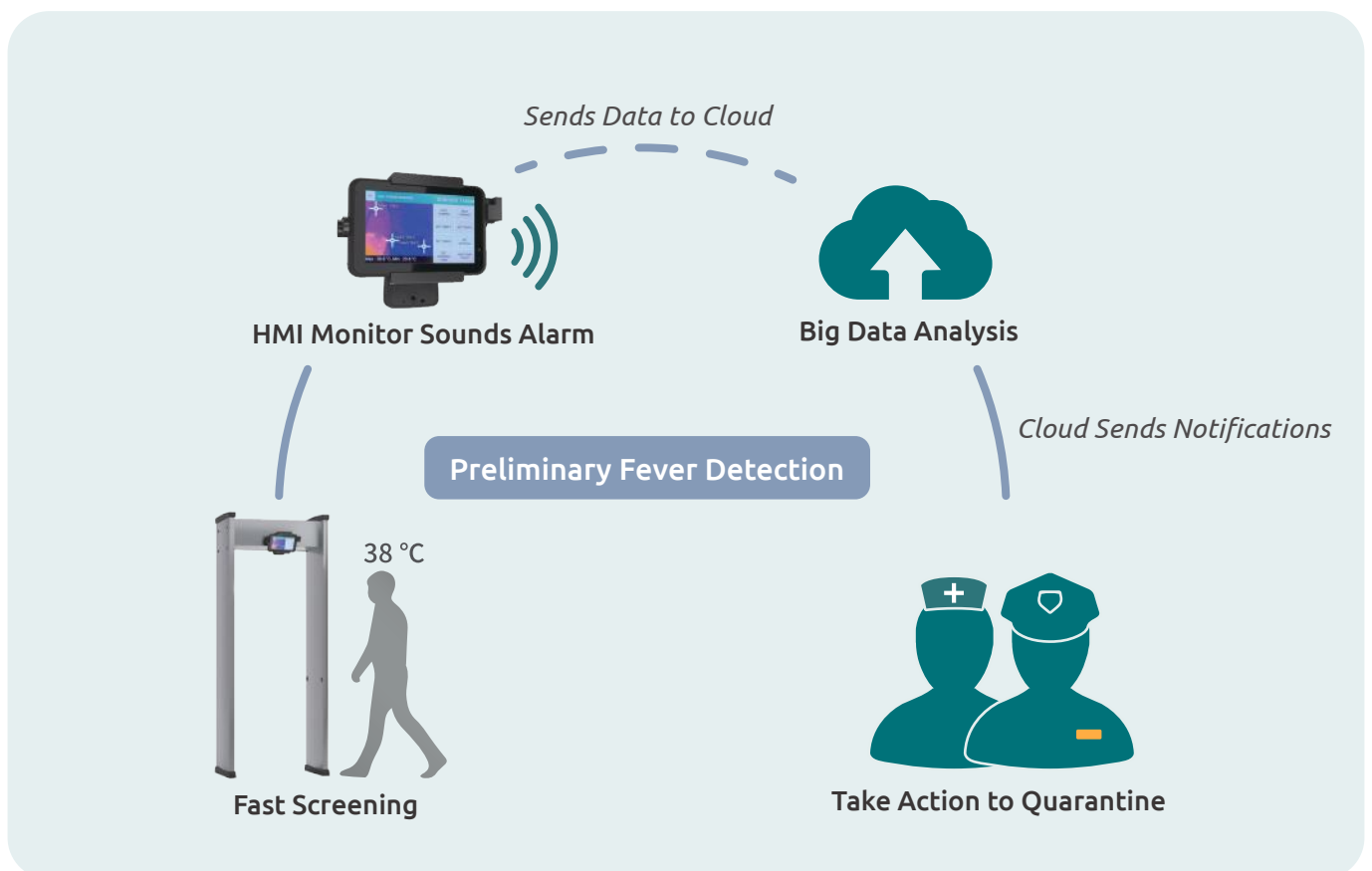


# Preliminary Fever Detection Solution

## 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
- Blackbody & offset adjustment to enhance accuracy
- Slim design, easy deployment

System	
Measuring Distance	0.5M ~1M
Accuracy	±0.5°C (@25°C)( after calibration to environment)
Offset Adjustment	On-screen adjustment, ±5°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	Lepton 2.5, on board
Spectral Range	Longwave infrared, 8µm to 14 µm
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, ±0.3°C
Blackbody Power	Power Input: DC5V/2.5A Power adapter: 5V/2.5A, 3M

All specifications are subject to change without notice. Last update: 27/04/2020

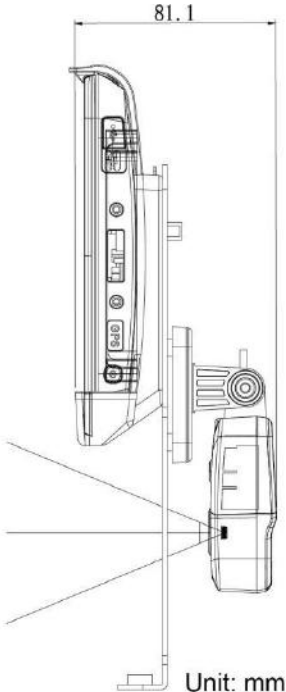
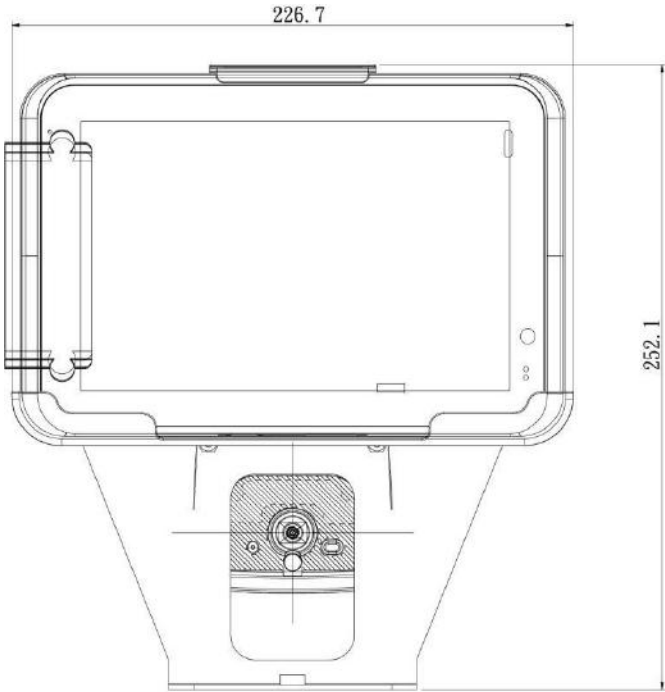
Communication	
Wi-Fi	802.11 a/n/g/n
WiFi Antenna	Built-in dual band (2.4G/5G) chip antenna
Certifications	
Compliance	CE, FCC, NCC
Mechanical	
Dimensions	MTA-3078T: 226.7x252.1x81.1 mm (WxHxD) Blackbody: 90 x 130 x 33 mm (W x H x D)
Net Weight	MTA-3078T w/o magnetic holders: 1.40 kg MTA-3078T w/ magnetic holders: 1.59 kg Blackbody: 0.81 kg
Working Temp.	15~30 °C
Storage Temp.	-10~50 °C
Package	
Contents	<ul style="list-style-type: none"><li>• MTA-3078T (including Infrared camera, HMI, mounting plate, Y-power cable and 2 x magnetic holders, all preassembled)</li><li>• Blackbody Calibrator, w/ power adapter</li></ul>
Package Dimension	500 x 310 x 125 mm (L x W x H)
Weight	3.5 kg
Optional Accessories	Tripod for MTA-3078T (2.8M, standard 1/4" thread) Tripod for the blackbody calibrator (1.5M, standard 1/4" thread, HS368)



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Dimensions



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