



# MTA-3050T

## Longwave Infrared Camera Thermal Imaging System

### Features

- Turnkey solution for temperature monitoring and measurement
- Long range infrared radiation of 8μm to 14 μm
- Intuitive user interface with touchscreen and physical buttons
- Easy to use monitoring & setup utility
- Ethernet/IP and Modbus RTU for analysis and alarm results transmission
- Compact size for easy installation
- Ideal for condition monitoring and process monitoring

### Lonewave Infrared Camera

#### Wireless

Wi-Fi	IEEE 802.11 a/b/g/n
Antenna	Built-in dual band (2.4G/5G) chip antenna

#### Sensor

Spectral Range	Longwave infrared, 8μm to 14 μm
Array Format	80 x 60
Pixel	17μm
Effective Frame Rate	8.6Hz
Scene Dynamic Range	0°C to 120°C
Radiometric Accuracy	±5°C
Field of View	51° (H), 63.5° (D)

#### I/O Interface & Button

USB Port	micro USB connector for debug (internal)
Power Jack	1 x 3-pin M8 power jack (IP67)
Button	Power button
LED	3-color LED; Pair, Link, Activity

#### Battery

Capacity	1650 mAh nominal
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#### Power

Power Input	5V/2A
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#### Mechanical

Net Weight	150 g (with battery)
Dimensions (H x W x D)	89.9 x 64.24 x 27.27 mm 105.9 x 99.3 x 44.2 mm w/ stand

#### Environment

Operating Temp.	-10°C ~ 55°C (14°F ~ 131°F )
Storage Temp.	-20°C ~ 60°C (-4°F ~ 149°F)

### Control HMI

#### System

CPU	Quad-Core ARM Cortex-A53 1.0~ 1.4 GHz CPU
Operating System	Android 5.1.1
Memory	1GB DDR3
Storage	8GB eMMC
<b>Communication with Camera</b>	
Supported Cameras	Up to 8 cameras
Connection	Wi-Fi (2.4G by default)

#### LCD Display

Size/Type	5" RGB LCD
Resolution	800 x 400
Brightness	400 Lum
Touch Screen	Projected capacitive touch screen

#### I/O Interface & Button

USB Port	2 x USB 2.0 Type A 1 x USB OTG
Serial Port	2 x 6-pin RS-485 (RS-232, upon request)
LAN	1 x RJ-45 Ethernet, 10/100/1000Mbps
Power	1 x DC In
Navigation Button	Up, Down, Left, Right, Enter

#### Communication

Protocol	Modbus RTU
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#### Power

Power Input	12V/2A
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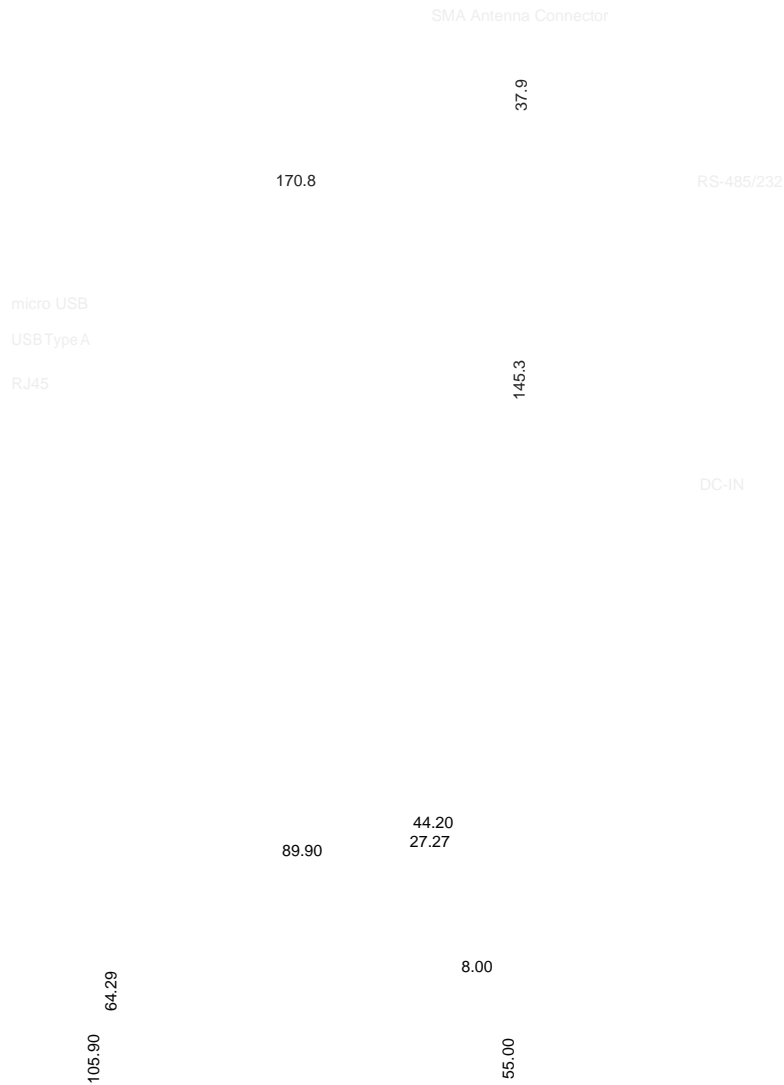
#### Mechanical

Net Weight	TBD
Dimensions (H x W x D)	145.3.x 170.8 x 37.9 mm

#### Environment

Operating Temp.	-10°C ~ 55°C (14°F ~ 131°F )
Storage Temp.	-20°C ~ 60°C (-4°F ~ 149°F)
Operating Humidity	95% (non-condensing)

# Dimensions



Unit: mm

## Packing Information

Item	Description
Thermal Camera	Longwave Infrared thermal camera w/ mounting stand
Universal power adapter (100 cm)	M8-plug 5V/2A power adapter w/ 100cm cable length
Universal power adapter (800 cm)	M8-plug 5V/2A power adapter w/ 800cm cable length
HMI	SDQH00,
Universal power adapter	12V/2A power adapter
Antenna	Wi-Fi 2.4G/5G antenna

All specifications are subject to change without notice. Last update: 15/10/2019