

# TANTUM

## 8 INCHES ULTRA-THIN FACE RECOGNITION THERMOMETER

Keeping in mind the current circumstances where people's safety and hygiene is of utmost importance, Axenic-UV brings another cutting-edge product in its Detection Systems category – TANTUM. It is an ultra-thin Face Recognition thermometer that like its counterparts, uses Infrared Thermal Imaging Technology to detect visitors' body temperature. However, what sets it apart is the industrial-grade binocular camera with live face recognition technology that enables face-with-mask identification. Its stranger warning function ensures further safety inside your premises.

It is an absolutely contactless identification system that gives you freedom from traditional fingerprints and punching methods instilling a sense of elevated security amongst its users. The 2MP camera with auto white balance provides sharp clarity even in dimly lit places. It comes with various installation methods making it more versatile and adaptable to a wider range of application areas.



# TANTUM

## PRODUCT SPECIFICATIONS

### Thermal Imaging

Power DC 12V ( $\pm 10\%$ )  
Temperature measurement  
Accuracy  $\leq \pm 32.9$  °F

### Face Camera

2 Million Pixels F2.4  
Aperture Binocular  
wide dynamic camera

### Processor

It will be Android 5.1  
OS. Memory 8G

### Display

8-inch, IPS LCD  
Resolution: 800 x 1280

### Database

ID/IC Card Reader  
Face library 10,000

### Measurement

Non-contact 12 in - 31 in  
(optimal distance 20 in)

### Protection

Heat dissipation

### Body

Interface Ethernet &  
Wireless Network Module



Automatic  
Detection



Multi  
Language



Mask  
Recognition



Data  
Management



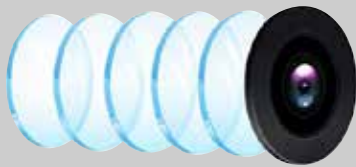
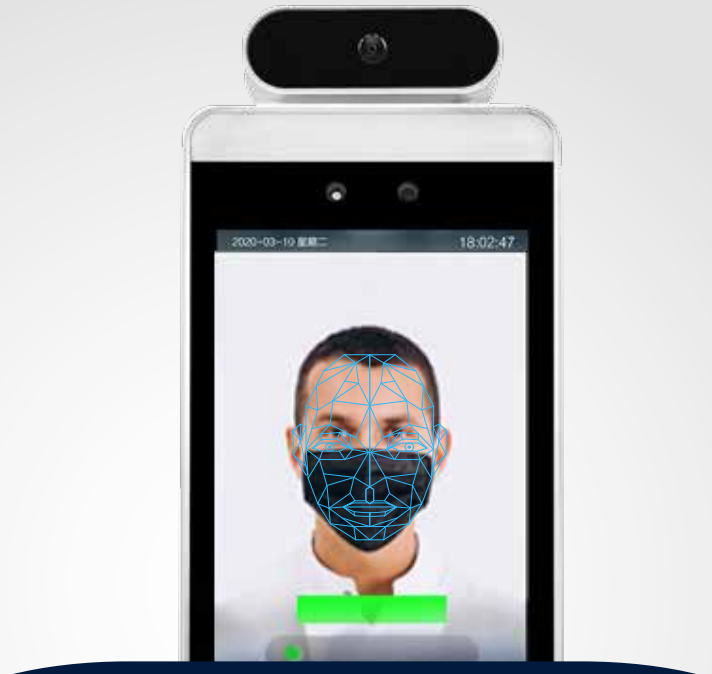
Identity  
Verification



Smart  
Voice

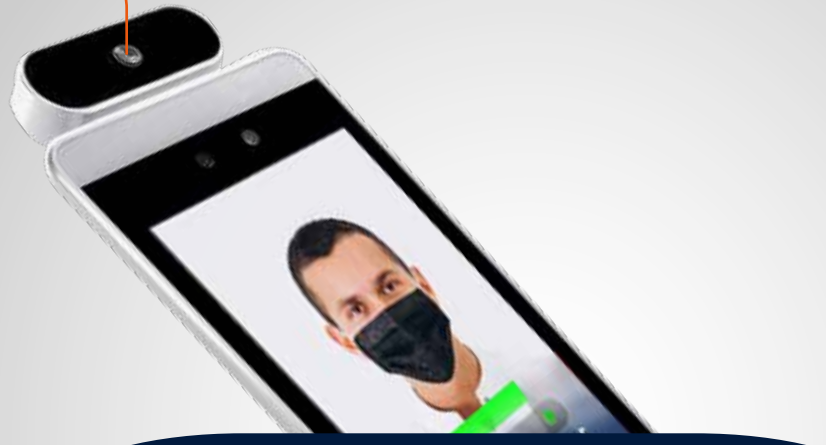
## UI Interface Configuration - 32-bit 4-core ARM chip

The highly efficient Android 5.1 OS enables dynamic tracking and real-time face-with-mask identification, supporting both 1:1 and 1: N face recognition.



## Intelligent camera

A unique algorithm that integrates deep learning to enable simultaneous multiple face recognition in different angles and lighting conditions.



## Thermal Imaging Module

The Infrared thermal imaging module provides precise real-time temperature measurements in the range of 32 °F - 95 °F with an accuracy of  $\leq \pm 32.9$  °F.

It provides highly reliable measurements even in harsh environmental conditions.



## Unlimited Flexibility

The Flexible mounting system mounts TANTUM both on wall and access control doors, eliminating clutter from the service area.



## Contactless thermal measurement.

Detects the body temperature by accurately locating the forehead area and supports non-contact temperature measurement at a distance of 12 in - 31 in (optimal distance 20 in).



## Access control with voice broadcast



TANTUM can perform fever screening with voice broadcast and is ideal for preliminary screening in border checkpoints, transportation hubs, retail and educational institutions.

## ORDERING INFORMATION

SKU	Product Codes
662187549088	AX-TANTM-TD-IR-FX
	AX - Axenic
	TANTM - TANTUM
	TD - Temperature Detection
	IR - Infra Red
	FX - Fixed Fixture

# PRODUCT SPECIFICATIONS

PARAMETERS	INDEX
Power	13.5W Max
Voltage	110 - 277V AC, 50/60Hz
Power Factor	> 0.90
Dimensions	11.66 x 5.23 x 0.98 in
Gross Weight	6.61 lbs (with packing)
Operating Temperature	-32°F - 104°F
Warranty	1 Year
Screen Resolution	800 x 1280
Aperture	F2.4
Photo Flood Light	LED and IR dual photo flood light
Flash	8G
USB	1 USB OTG, 1 USB HOST standard A port
Temperature Detection Distance	12 x 31 in (Optimal distance 20 in)
Power Consumption	13.5 W (Max)
Type	Binocular wide dynamic camera
OS	Android 5.1
Network Module	Ethernet and wireless (WIFI)
Face Library	Up to 30,000
Installation Method	Screwed by wall mount bracket
Major Function	Temp. measurement and face detection
Measurement Range Temp	50°F - 107.6°F
Temp. Measurement Accuracy	± 32.9°F
Camera resolution	2 million pixels (Camera Type: Binocular wide dynamic camera)
Storage Temperature	-4°F - 140°F
Audio	2.5W / 4R speakers
Wired Network	1 RJ45 Ethernet socket
Rely output	1 door open signal output
Wiegand	One Wiegand 26/34 output, one Wiegand 26/34 input
Interface	Interfaces include device management, personnel/ photo management, record query, etc
Deployment method	Support public cloud deployment, privatized deployment, LAN use, stand-alone use
CPU	RK3288 quad-core (optional RK3399 six-core, MSM8953 eight-core)
Storage	EMMC 8G