



**K-TECH**  
FIRMIN HOUSE

# Mass Fever Screening & Pandemic Control Systems



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# Thermal & Optical Bi-spectrum Network Bullet Camera

This Intelligent AI binocular thermal imaging system is composed of AI binocular temperature detecting camera and AI thermal imaging screening system.

Integrated by the thermal temperature detecting sensor of high-accuracy, built-in intelligent face capture algorithm, and ISP image processing technology, this device accurately enables temperature and face detection, as well as face capture.

It can effectively help to monitor and detect the body temperature of entry and exit people, and therefore help in the prevention of the pandemic situation.

## KEY FEATURES

- High sensitivity thermal module with 256 x 192 resolution.
- NETD is less than 60 mk (@25° C, F#=1.0).
- Supports contrast adjustment.
- Leading thermal image processing technology: Adaptive AGC, DDE, 3D DNR.
- Up to 15 palettes of adjustable color.
- Reliable temperature-anomaly alarm.
- Temperature Range From -15°C to +150°C
- High quality optical module with 2 MP resolutio.
- Bi-spectrum image fusion, picture-in-picture preview.



# PRODUCT APPEARANCE

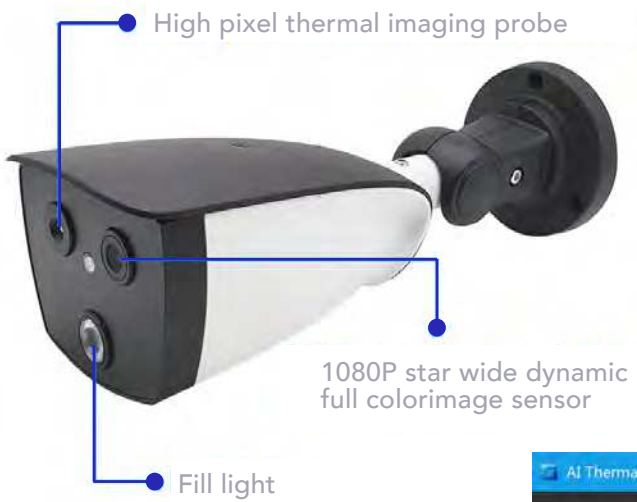


## DEVICE INTERFACE FUNCTION DEFINITION

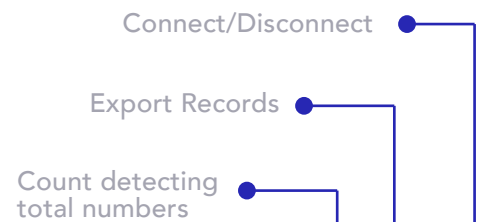
Interface No	Interface Name	Functional Indicators
1	Power Interface	12VDC
2	Network Interface	RJ45 Network Interface
3	Relay Interface	+ : NO Normally Open Port - : COM Public Port
4	Audio Interface	1: Audio Input 2: Audio Ground 3: Audio Output 4: Empty

# PRODUCT INTERFACE

## PRODUCT DESCRIPTION

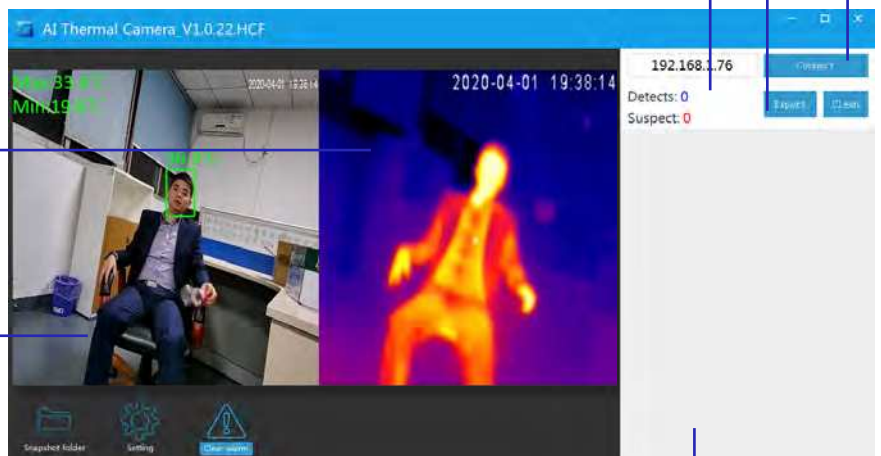


## MAIN INTERFACE INTRODUCTION



Thermal video preview window

Capture display column

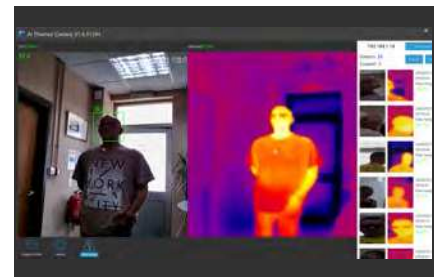
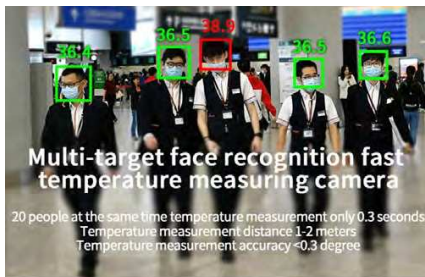
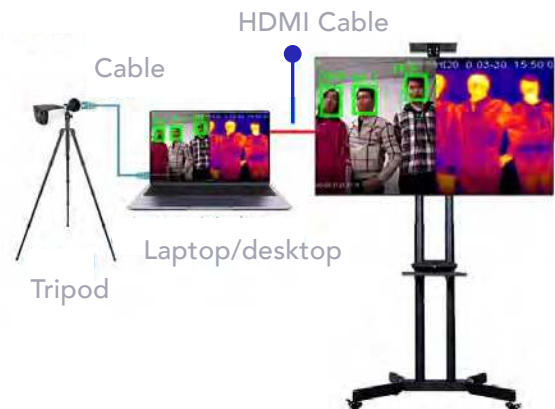


# COMPOSITION STRUCTURE

## COMPOSITION 1



## COMPOSITION 2



# MULTI-SCENARIO APPLICATION

## SCHOOLS



## RETAIL



## OFFICES



## BUILDINGS



## STATIONS



## GYMS



# TECHNICAL SPECIFICATIONS

Thermal	
Image Sensor	VOx Uncooled Focal Plane Arrays
Resolution	256×192
Pixel Interval	12μm
NETD	Less than 60 mK (@25°C,F#=1.1)
Aperture	F1.0
Field of View	35° × 27° (H × V)
Optical	
Image Sensor	1/2.8" 2.0M Pixel CMOS
Resolution	1920×1080P
Min. Illumination	Color: 0.005Lux @ (F1.2, AGC ON), B/W: 0.001 Lux @ (F1.2, AGC ON)
Field of View	84° × 45° (H × V)
Focal Length	4mm
Shutter Speed	1s to 1/100,000s
White Balance	Auto/Manual/ATW (Auto-tracking White Balance)/Indoor/Outdoor/Daylight Lamp/Sodium Lamp
Day & Night	ModelR cut filter with auto switch
WDR	80 dB
Feature	
Bi-spectrum Image Fusion	Fusion view of thermal view and overlaid details of the optical channel
Picture in Picture	Combines details of thermal and optical image PIP, overlay thermal image on optical image
Smart Function	Smart Function
Face snapping	Built-in deep learning AI algorithm. Supports simultaneous detection of 20-30 faces
Temperature Measurement	Support global and local temperature
Temperature Range	From -15°C to +150°C
Temperature Accuracy	Target temperature 35°C ^ 38°C ±0.3 °C Target temperature 20°C ^ 33°C ±0.6 °C Target temperature 38°C ^ 50°C ±0.6 °C
Network	
Main Stream	Thermal: 25fps(1920 × 1080, 1280 × 720)
Sub Stream	Thermal: 25fps(704 × 576, 352 × 288)
Video Compression	H.264 (Baseline/Main/High Profile) /MJPEG/H.265
Audio Compression	G.711u/G.711a/G.722.1/MP2L2/G.726/PCM
Protocols	TCP/IP, ONVIF, GB/T 28181, DHCP, RTP, RTSP, PPPoE, UPnP, UDP
API	ONVIF (Profile S, Profile G, Profile T), SDK

# TECHNICAL SPECIFICATIONS CONT.

## General

Web Client Language	Language: English
Power	DC 12V, 0.65A
Work Temperature/Humidity	From -20°C to 55°C; Humidity: 95% or Less
Protection Level	Level IP67
Dimension	246 mm × 101 mm × 81 mm (with bracket)
Weight	Approx. 1.0 kg



**Model: K-T 30**



# K-TECH

## FIRMIN HOUSE

Technology that allows businesses to go back to work safely; employees and customers at the forefront of mind.

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