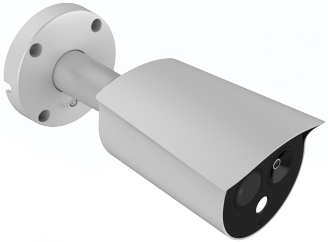
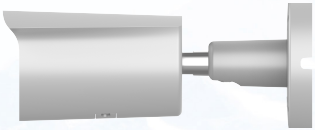
S5003T

AI Thermal & Bi-Spectrum IPC

Cantonk

Appearance





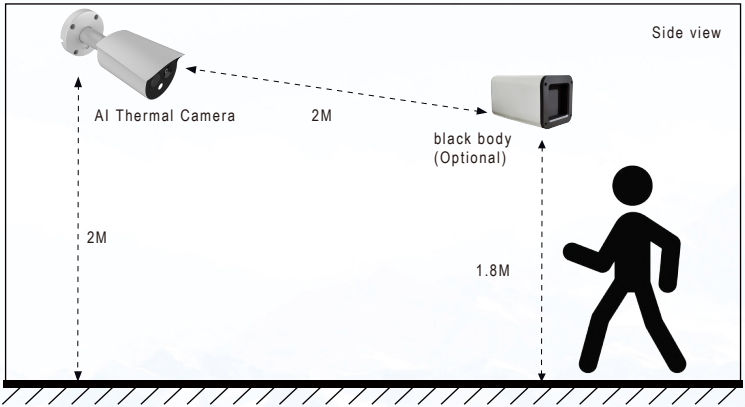
Product Introduction

Thermal imaging binocular dome network camera is a new thermal imaging network camera that integrates network remote monitoring functions, video server functions and high-definition camera functions.

The thermal imaging binocular hemisphere has built-in high-sensitivity infrared detectors and adopts advanced passive infrared thermal imaging technology. When applied in severe weather such as rain and fog, it has the characteristics of long detection distance and easy detection of hidden targets. It does not receive the influence of the light environment, and returns rich image information in the absence of light, backlight, etc., and truly realizes 24-hour monitoring.

The thermal imaging binocular hemisphere has a built-in temperature measurement module, which has the characteristics of high temperature measurement sensitivity, intuitive thermal image, wide detection range, fast speed, no interference with the measured target, and safe use. When the target passes quickly within the range of the infrared lens detector, the instrument displays the thermal image of the human body and the highest temperature of the human body, and the operator can obtain accurate data. If you encounter a suspicious fever patient, the device will immediately call the police.

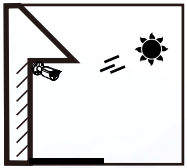
Installation



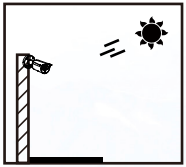
1. The camera is set up right in front of the passage, and the face is captured from the front;
2. The recommended installation height is about 2 meters; the recommended viewing angle of the camera is 0~5 degrees;
3. In order to ensure the effect of body temperature detection, the distance between the equipment and the personnel collection point is 0.25-3 meters.

Installation Environment

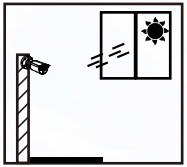
1. Illumination requirements: no backlight, no obvious reflection on the face, uniform light and no shadows. In addition, in order to ensure sufficient lighting on the scene when capturing faces, it is recommended that if the face in the lens is not bright enough, lighting equipment should be added accordingly to fill the face of the person (generally 250~800 Lux).
2. Light and wind requirements: It is recommended that the equipment be installed indoors to ensure that there is no wind and direct sunlight between the equipment and personnel, and avoid the phenomenon of excessively low and high temperature measurement caused by blowing heat and direct sunlight.



X Backlight

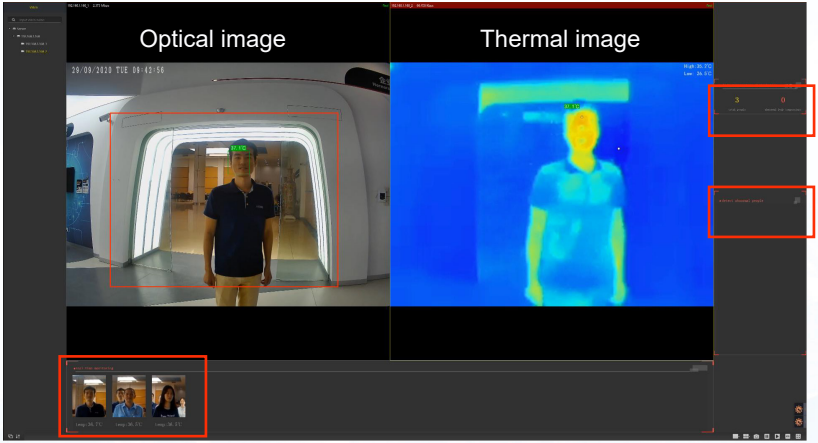


X Direct sun



X The sun shines through the window

Interface Introduction

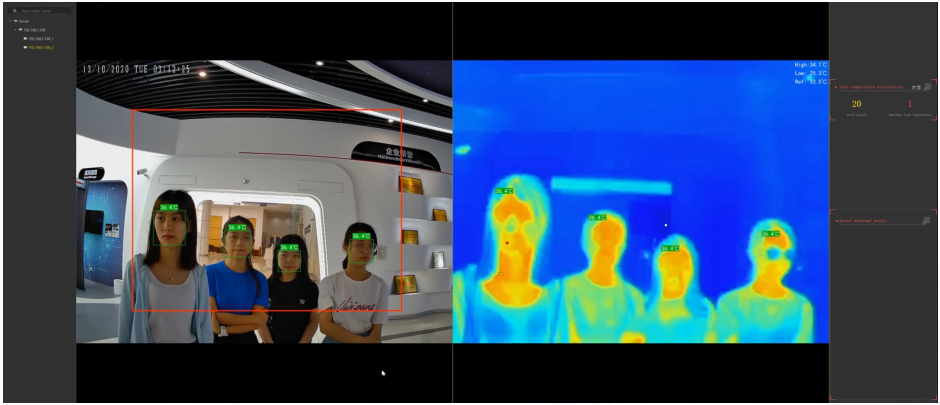


Record the number of people who passed

People with abnormal body temperature

Record identification information

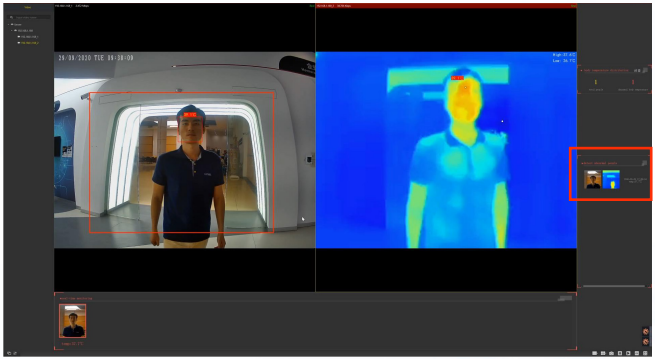
AI Function



Face Detection, Automatic Face tracking & measuring temperature, Face Capture and screening

Face Snaping: Built-in deep learning AI algorithm, Support 30 faces detection simultaneous and measure temperature 10-20 faces

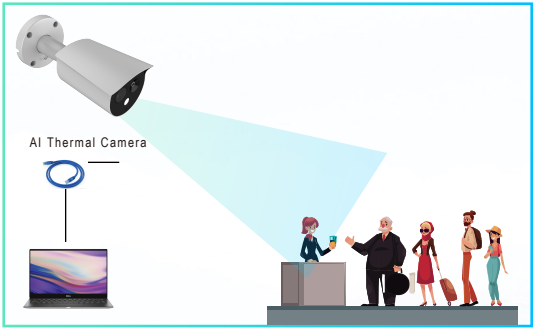
Features

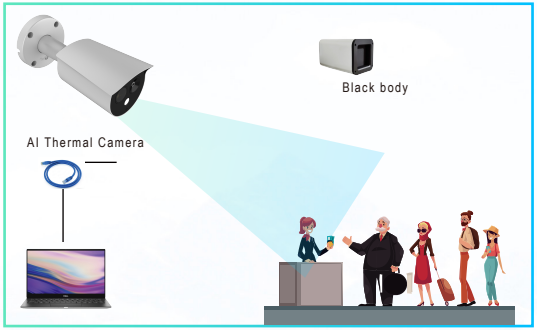


Abnormal temperature alarm: the temperature range is 35°C ~42°C , below or above this value range, light flash and voice broadcast Alarm.

The camera's red flashing light indicates abnormal temperature, and the interface displays the image of the person with abnormal body temperature and body temperature.

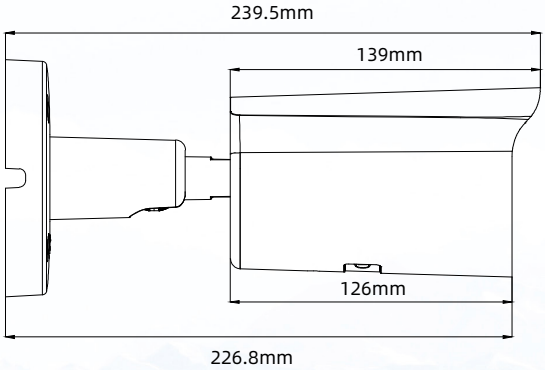
Features

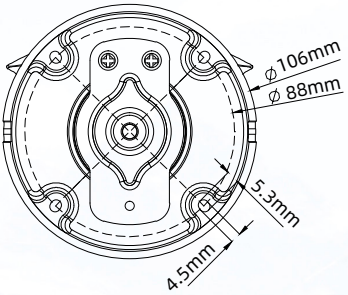




Highly accurate temperature measurement: within ±0.5 °C, with black body ±0.3 °C

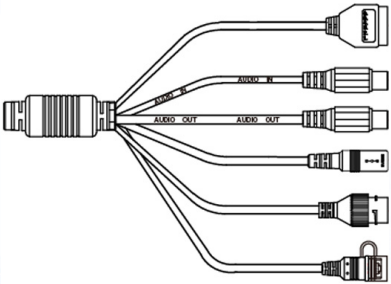
Product Analysis





Product Analysis

Alarm input		Alarm Output		RS485	
1	2	3	4	5	6
+	-	A	B	485+	485-



Alarm I/O Alarm interface: Alarm input/output, RS485

Audio I Audio input interface: 1CH, connected to audio pickups to collect sound.

Audio O Audio output interface: 1CH, connected to loudspeakers and other devices to output sound.

DC 12V Power interface: Support DC12V, POE power supply.

RS485 Network port interface: RJ45 network port access to Ethernet, POE power supply

Reset key Reset interface: Long press the reset button for 10 seconds to restore the factory settings.

Parameter

General specification

Product number	S5003T
Product name	AI Thermal&Bi-Spectrum IP Camera
Operating temperature	-20°C to 55°C
Working humidity	-20°C ~ +60°C RH95% Max
Protection level	IP66
Power consumption	1000mA/12V
Product Size	φ106 x110.9 (H) mm

Thermal

Image Sensor	Vox Uncooled Focal Plane Arrays
Resolution	256x192
Pixel Interval	12μm
NETD	Less than 60 mK (@25°C.F#=1.1)
Aperture	F1.1
Focal Length	3.2mm
Field of View	56° x 42° (H x V)

Parameter

Smart Function

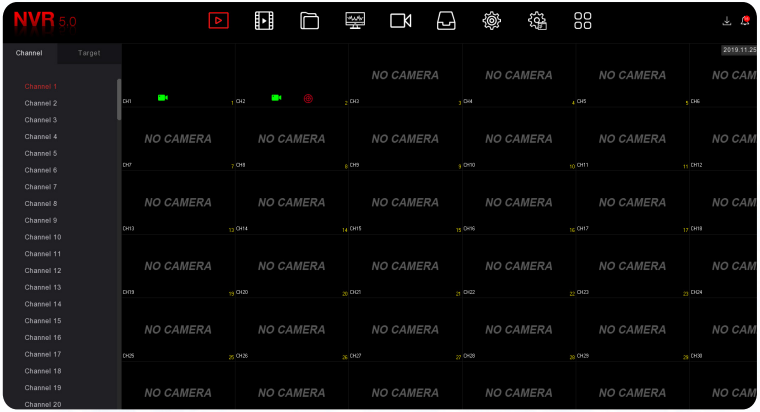
Bi-spectrum Image Fusion	Support display the thermal image and optical image simultaneously
Face Capture	Built-in deep learning AI algorithm, Face snaping support 30 faces detection simultaneous and measure temperature 10-20 faces
Temperature Measurement	Support global and local temperature
Temperature measuring distance	Recommended temperature measurement distance 2m (range: 0.25-3m)
Temperature Range	30°C to +45°C
Temperature Accuracy	Highly accurate temperature measurement within ±0.5 °C, with black body ±0.3 °C
Alarm Indicator Light	Suport light flash when detect abnormal temperature
Sound Alarm	Built in speaker support voice broadcast when detect abnormal temperature

Parameter

Other Parameters

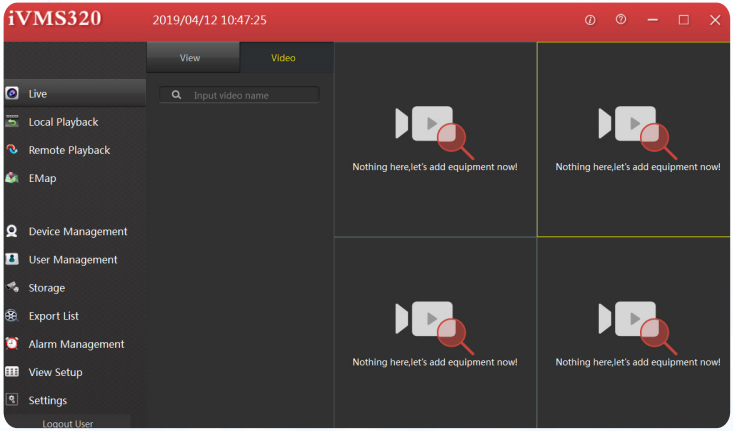
Image Sensor	1/2.8" SONY Starvis Back-illuminated CMOS sensor
Minimum illumination	0.01Lux
WDR	HDR:120dB
S/N Ratio	≥52dB
Lens	6mm
Compression	H.264/H.264+/H.265/H.265+/JPEG/AVI /MJPEG
Audio	1 Channel Input
Alarm	1 Channel Input/Output
SD Card Slot	Support Max 512GB
RS485	Support

Connect to NVR



Before adding, please make sure that the IP addresses of the NVR and the device are in the same network segment and do not conflict. Click [Channel] → [Add Device] → [Add] under the NVR main menu, check the device to be added, and

iVMS320



Step 1 Open the browser and log in to http://www.herospeed.net/

Step 2 Click [PC Client] → [iVMS320 (Windows)] or [iVMS320 (Mac)] to download the latest version of the video management system [iVMS320].

Step 3 Follow the prompts to complete the installation and add devices for viewing and management.

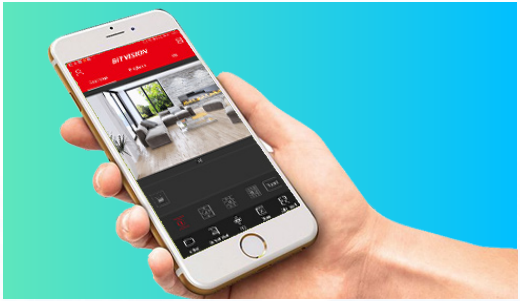
APP

Scan the QR code to download and install BitVision App

Download on the App Store

Download on the ANDROID MARKET

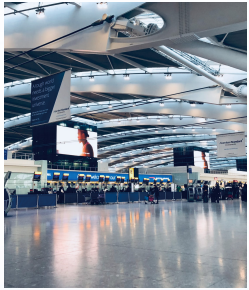
GET IT ON Google Play



Application Scenarios

It is widely used in entrance and exit scenarios such as school roads, office buildings, and stations. Used for close-range scene monitoring,
Such as human body temperature measurement, indoor fire prevention, warehouse fire prevention, charging pile temperature monitoring and other fields.

Subway Station



Airport

Station

School

THANKS