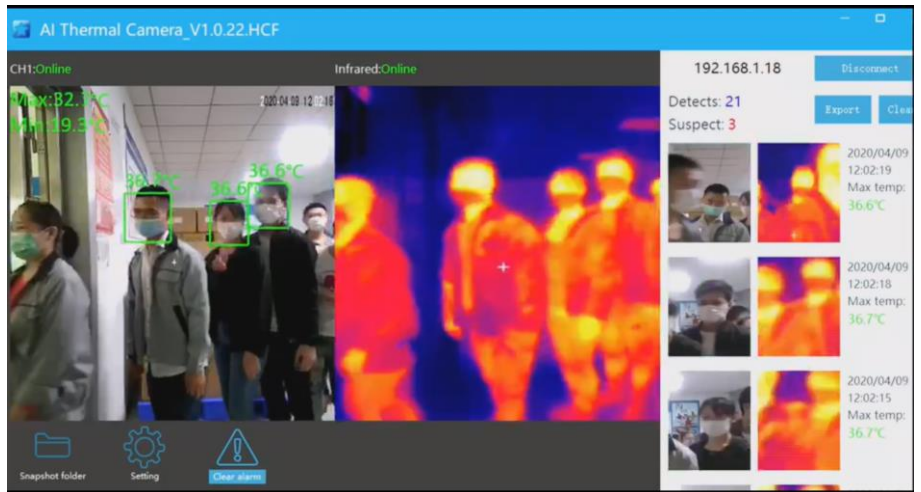


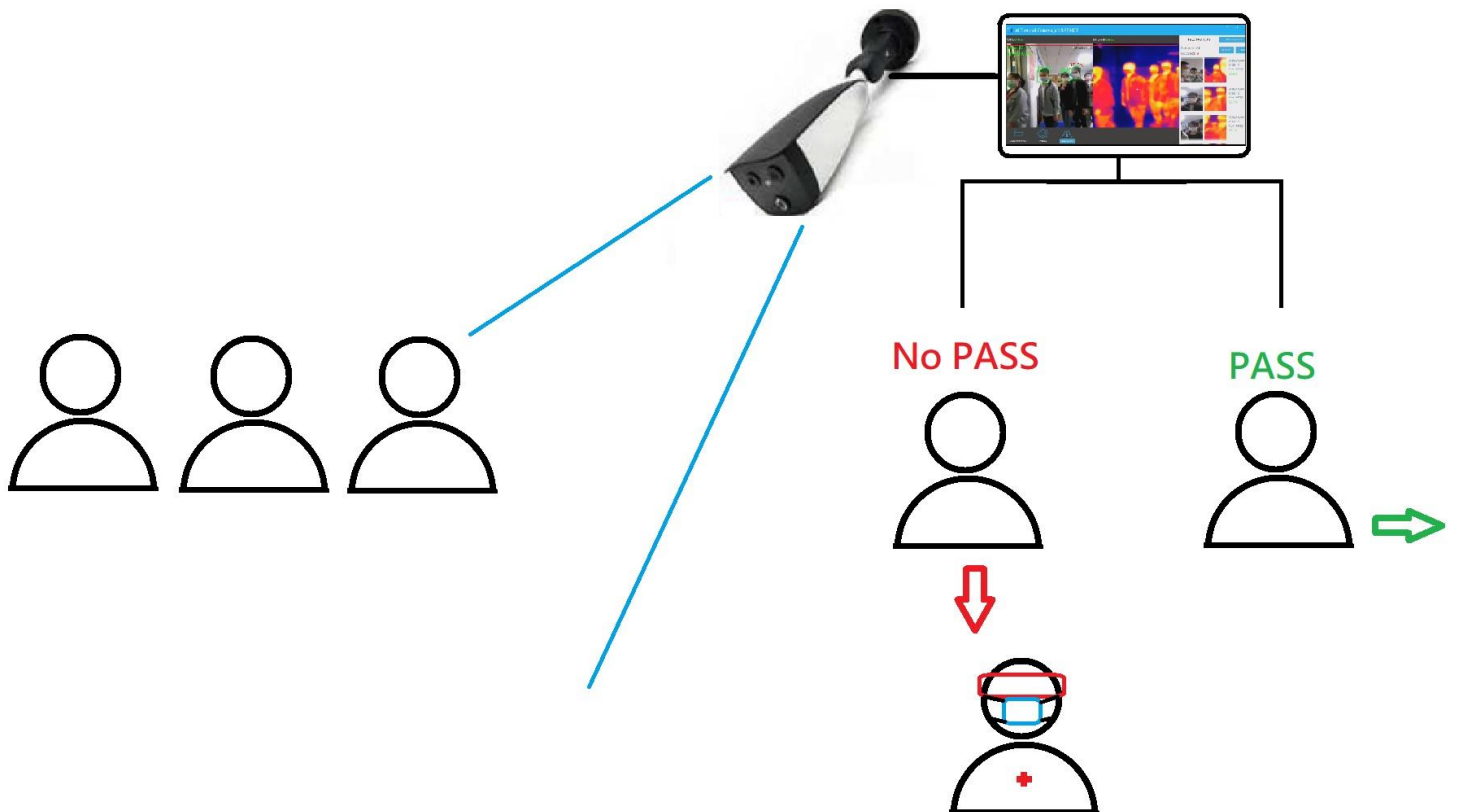


# HS-1920TC

Outdoor Thermal IP camera



## Application Diagram



## Features

- High sensitivity Thermal module & image processing technology
- Body temperature range: 35°C to +50°C
- Face-tracking technology
- Black body accessories to ensure the accuracy  $\pm 0.3^{\circ}\text{C}$
- Monitoring software with AI learning
- IP66 enclosure for both indoor & outdoor application

## Specifications

Thermal	
Image sensor	Vox Uncooled Focal Plane Arrays
Resolution	256x192
Pixel Interval	12 $\mu\text{m}$
NETD	Less than 60 mK (@25°C.F#=1.1)
Aperture	F1.0
Field of View	35° x 27° (H x V)
Optical	
Image sensor	1/2.8" 2.0M Pixel CMOS
Resolution	1920x1080P
Min. Illumination	Color: 0.005Lux @ (F1.2, AGC ON), B/W 0.001 @ (F1.2, AGC ON)
Field of View	84° x 45° (H x 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	ModeIR cut filter with auto switch
WDR	80 dB
Functions	
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
Face snapping	Built-in deep learning AI algorithm, Supports simultaneous detection of 20-30 faces
Temperature	Support global and local temperature

Measurement	
Temperature Range	-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
<b>Network</b>	
Stream	(Main) Thermal: 25fps(1920 x 1080, 1280 x 720) (Sub) Thermal: 25fps(704 x 576, 352 x 288)
Compression	Video: H.264 (Baseline/Main/High Profile) /MJPEG/H.265 Audio: G 711u/G711a/G.7221/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
<b>Environment</b>	
Operating temperature	-20 ~ +55° C
Humidity	< 95%
<b>Physical</b>	
Dimension	246(L) * 101(W) * 81(H) mm
Weight	1000gs approx.
<b>Standard accessories</b>	
Black body	

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*For more information, contact: [service@hotstuff.com.tw](mailto:service@hotstuff.com.tw)*