

P8

Infrared Human Body Temperature Rapid Screening Camera (Thermal Imaging Camera)



01 Product Presentation

P8 is a non-contact human temperature measurement system specially designed for human body inspection and quarantine places. The system uses infrared thermal imaging and high-definition visible light overlay technology, with functions such as online temperature measurement, temperature alarm, face recognition and so on, it can be widely used in airports, stations, subways, hospitals, schools, shopping malls, enterprises and institutions and other densely populated places, it can quickly screen fever patients in large-scale mobile populations, help security personnel and medical staff to improve the efficiency of epidemic detection, and build the first line of defense for epidemic prevention and control.



02 Features



2m~5m



"Temperature measurement thermal imaging + high-definition visible light" human body temperature measurement camera integrates a number of core technologies such as thermal imaging temperature measurement and intelligent face detection.



Thermal imaging high-precision human body temperature measurement, accuracy $\leq 0.3^{\circ}\text{C}$, built-in auto temperature measurement correction, completely eliminate temperature drift, can work stably for many years



Unique dual-view registration mechanism makes visible light and thermal imaging field of view the same

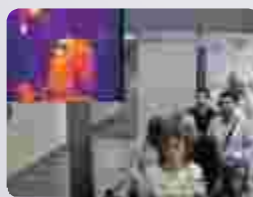


Intelligent human body temperature measurement, visible light image temperature measurement display, convenient for monitoring and discrimination



Intelligent over-temperature alarm and positioning, sound and light alarm, rapid screening and tracking of people with abnormal temperature

03 Applications



Technical Specifications

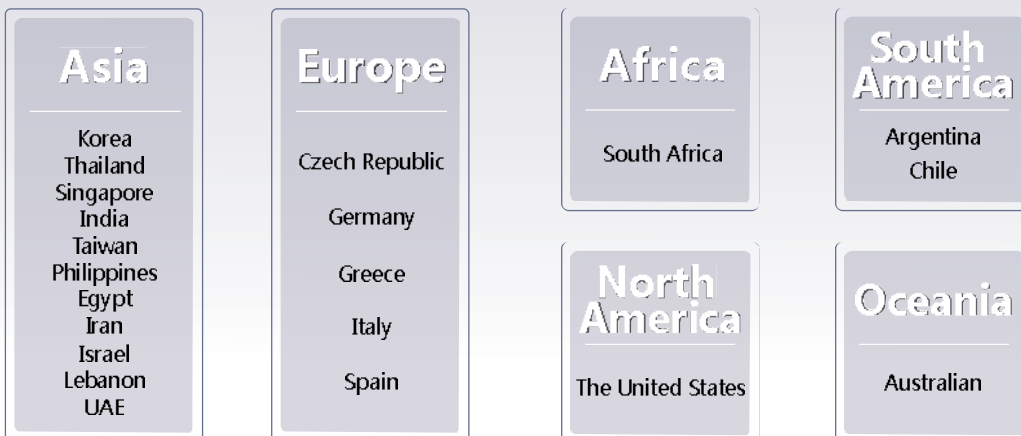
Item	FB
Thermal Imaging	
Type	Uncooled FPA
IR resolution	384 × 288
Pixel pitch	17 μm
Spectral range	7.5~14 μm
NETD/Sensitivity	50mK
FOV / Focal Length	28° × 21.6° / 13mm
Minimum imaging distance	30cm
IFOV	1.88mrad
Color palettes	10 types (including iron red, rainbow, black heat and white heat, etc.)
Visible light	
Resolution	1920 × 1080p@25fps
Focal distance	10mm
FOV	28.8° × 21.6°
Minimum illumination	0.001Lux
Temperature measurement	
Temperature range	+30°C ~ +45°C
Measurement accuracy	+0.3°C
Measurement correction	Auto
Temperature display	Real-time face recognition, dual real-time temperature display, multi-target real-time temperature tracking
Traffic Statistics	Real-time statistics on the number of people detected and suspected fever, high-definition facial snapshots, and traceback of pictures of fever personnel
Alarm I/O	Sound and light alarm, high-definition face capture of over-temperature personnel
Function settings	Date / time, temperature unit °C / °F / K, language
Image function	
Dual light fusion	Support fusion of visible light image information in thermal imaging channel to improve image detail of thermal imaging channel
PIP	Support the visible light channel to overlay the thermal imaging channel picture in PIP form
Intelligent information overlay	Supports superimposed thermal imaging information in visible light channel images (only supports temperature measurement rules, temperature measurement values)
Linkage alarm	Support linkage white light alarm, linkage sound alarm
Data storage	
Image format	PC side BMP, JPG
Video format	AVI format, H.264 compression
Interface	
Network interface	100M / 1000M Ethernet, RJ45 interface, temperature data transmission
API	Support ONVIF protocol
Power System	
Working voltage	DC: 12V
Power consumption	<10w
Environment Parameters	
Operating temperature range	-20°C ~ +50°C (15°C -35°C accurate temperature measurement)
Storage temperature range	-40°C ~ +70°C
Humidity	≤95% (non-condensing)
Vibration	2G (IEC60068-2-6)
Shock	25G (IEC60068-2-29)
EMC	Meet CE/FCC
Physical data	
Size	335mm(L) × 195mm(W) × 116mm(H)
Weight	≤2.2kg
Mounting	UNC1/4-20Standard tripod interface, M3 thread interface
Packing	
Standard	Infrared camera, integrated cable, warranty card, certificate, carrying case
Quality assurance	
ISO9001	Yes
CE	Yes
Third-party detection	Type Approval Certificate of Measuring Instruments issued by Zhejiang Quality and Technical Supervision Bureau

05

Customers Distribution



National distribution of temperature measuring products



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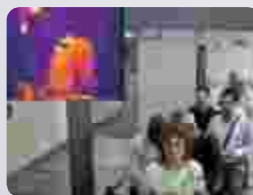


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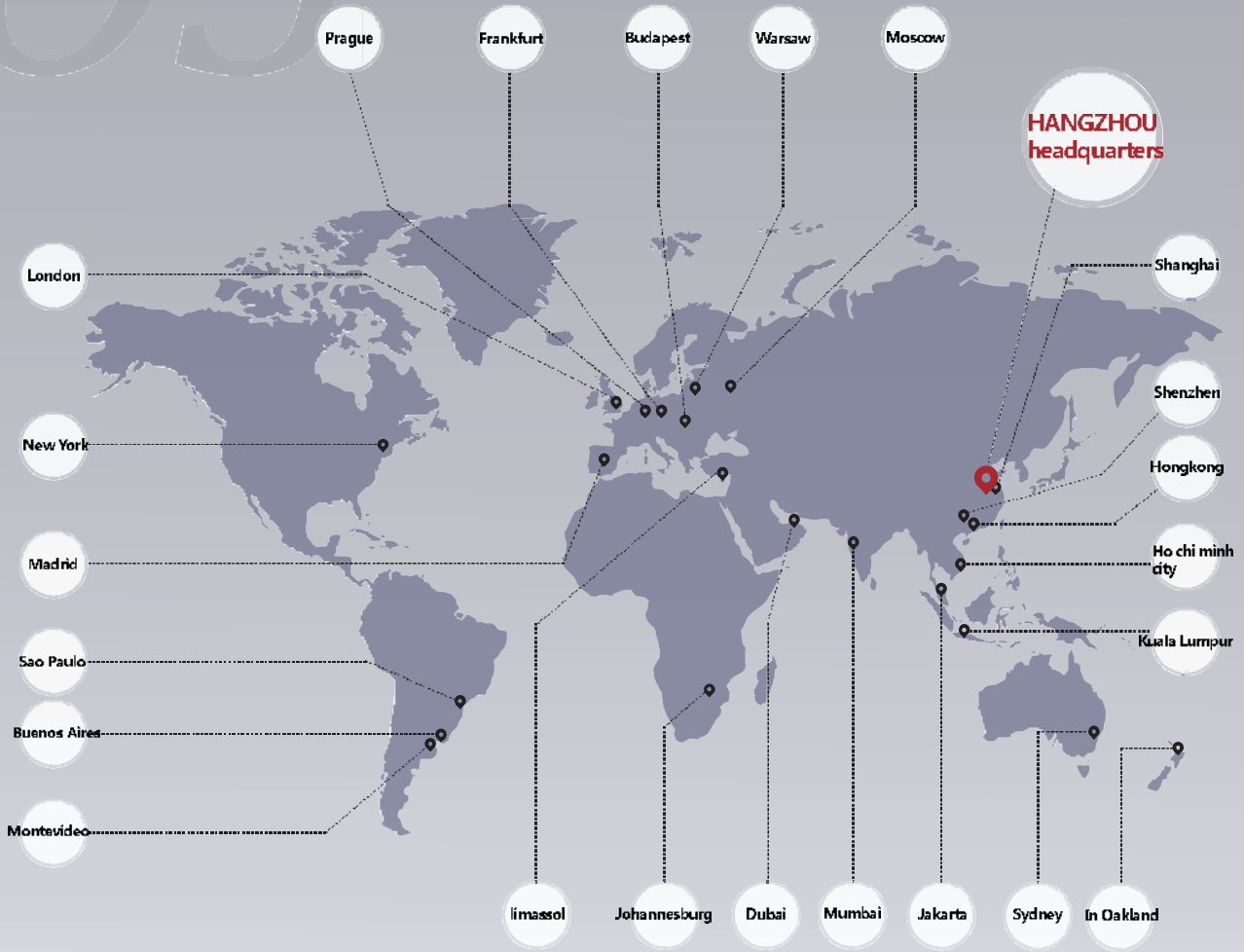


Technical Specifications

Item	P8
Thermal Imaging	
Type	Uncooled FPA
IR resolution	384 × 288
Pixel pitch	17.1 μm
Spectral range	7.5 ~ 14 μm
NETD/Sensitivity	50mK
FOV / Focal Length	28.8° × 21.6° / 13mm
Minimum imaging distance	30cm
IFOV	1.88mrad
Color palettes	10 types (including iron red, rainbow, black heat and white heat, etc.)
Visible light	
Resolution	1920 × 1080p @ 25fps
Focal distance	10mm
FOV	28.8° × 21.6°
Minimum Illumination	0.001Lux
Temperature measurement	
Temperature range	130°C ~ -45°C
Measurement accuracy	±0.3°C
Measurement correction	Auto
Temperature display	Real-time face recognition, dual real-time temperature display, multi-target real-time temperature tracking
Traffic Statistics	Real-time statistics on the number of people detected and suspected fever, high-definition facial snapshots, and traceback of pictures of fever personnel
Alarm I/O	Sound and light alarm, high-definition face capture of over-temperature personnel
Function settings	Date / time, temperature unit / °C / °F / K, language
Image function	
Dual Light Fusion	Support fusion of visible light image information in thermal imaging channel to improve image detail of thermal imaging channel
PIP	Support the visible light channel to overlay the thermal imaging channel picture in PIP form
Intelligent information overlay	Supports superimposed thermal imaging information in visible light channel images (only supports temperature measurement rules, temperature measurement values)
Linkage alarm	Support linkage while light alarm, linkage sound alarm
Data storage	
Image format	PC size BMP, JPG
Video format	AVI format, H.264 compression
Interface	
Network interface	100M / 1000M Ethernet, RJ45 interface, temperature data transmission
API	Support ONVIF protocol
Power System	
Working voltage	DC 12V
Power consumption	<10w
Environment Parameters	
Operating temperature range	20°C ~ 150°C (15°C ~ 35°C accurate temperature measurement)
Storage temperature range	-40°C ~ +70°C
Humidity	≤85% (non-condensing)
Vibration	2G (IEC60068-2-3)
Shock	25G (IEC60068-2-28)
FVC	Meat / CF / FCC
Physical data	
Size	335mm(L) × 195mm(W) × 116mm(H)
Weight	≈2.2kg
Mounting	UNCF4-20Standard tripod interface, M3 thread interface
Packing	
Standard	Infrared camera, integrated cable, warranty card, certificate, carrying case
Quality assurance	
ISO9001	Yes
CE	Yes
Third-party detection	Type Approval Certificate of Measuring Instruments issued by Zhejiang Quality and Technical Supervision Bureau

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Customers Distribution



National distribution of temperature measuring products

Asia

- Korea
- Thailand
- Singapore
- India
- Taiwan
- Philippines
- Egypt
- Iran
- Israel
- Lebanon
- UAE

Europe

- Czech Republic
- Germany
- Greece
- Italy
- Spain

Africa

- South Africa

North America

- The United States

South America

- Argentina
- Chile

Oceania

- Australian