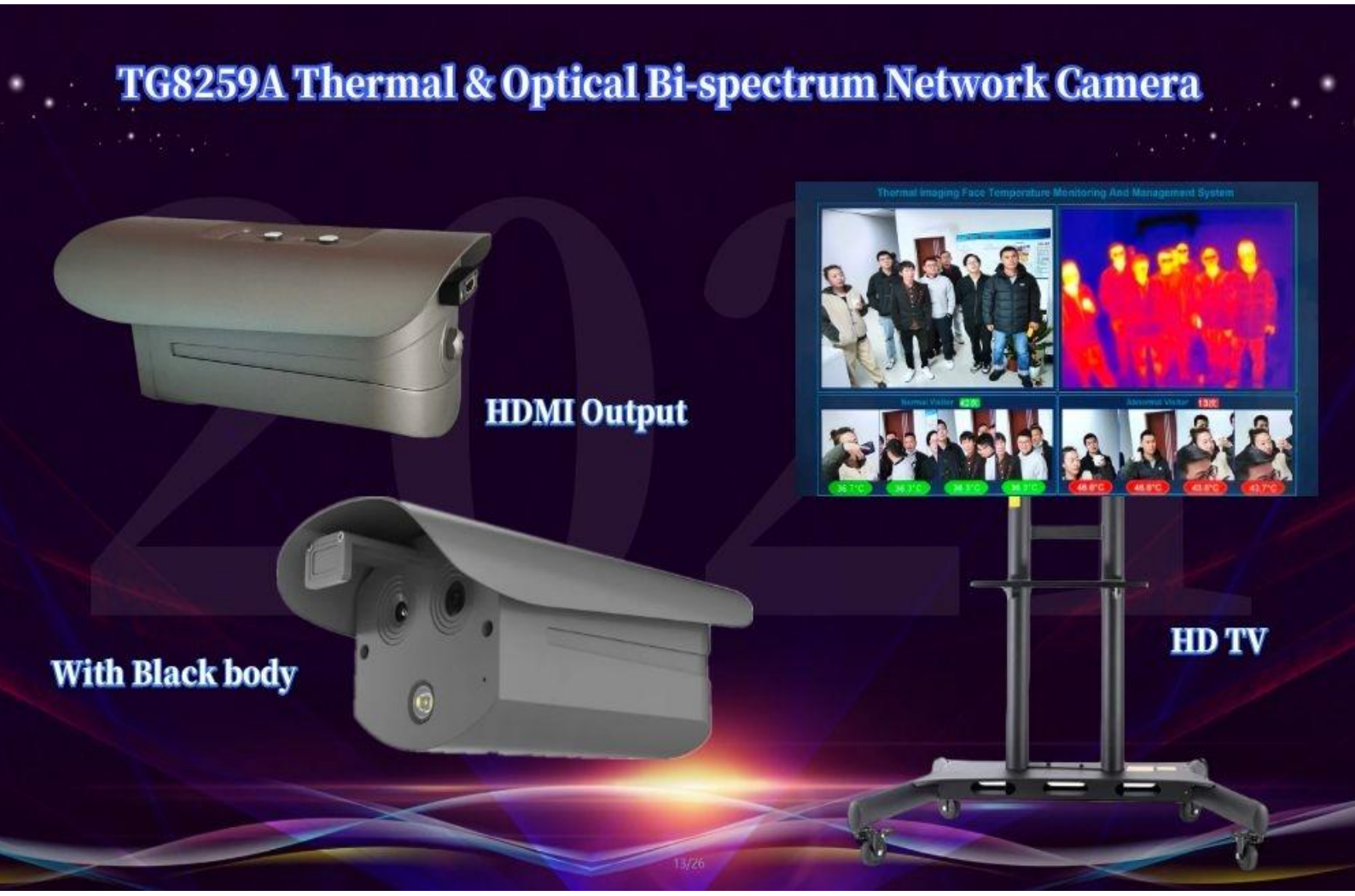


Overview

TG8259A Thermal & Optical Bi-spectrum Network Camera, Suitable for long-distance human body temperature detection (1m~4m). The device adopts a camera + embedded motherboard + black body integrated structure. No computer is required, directly connected to the HD TV. With black body, automatic correction, no fear of environmental temperature changes on thermal imaging Impact. Based on artificial intelligence algorithms and infrared thermal imaging temperature measurement technology, it can quickly check and warn people with fever symptoms in the crowd, and accurately display abnormal temperature values.The equipment is widely used in large public places such as airports, stations, schools, hospitals, factories and shopping malls.

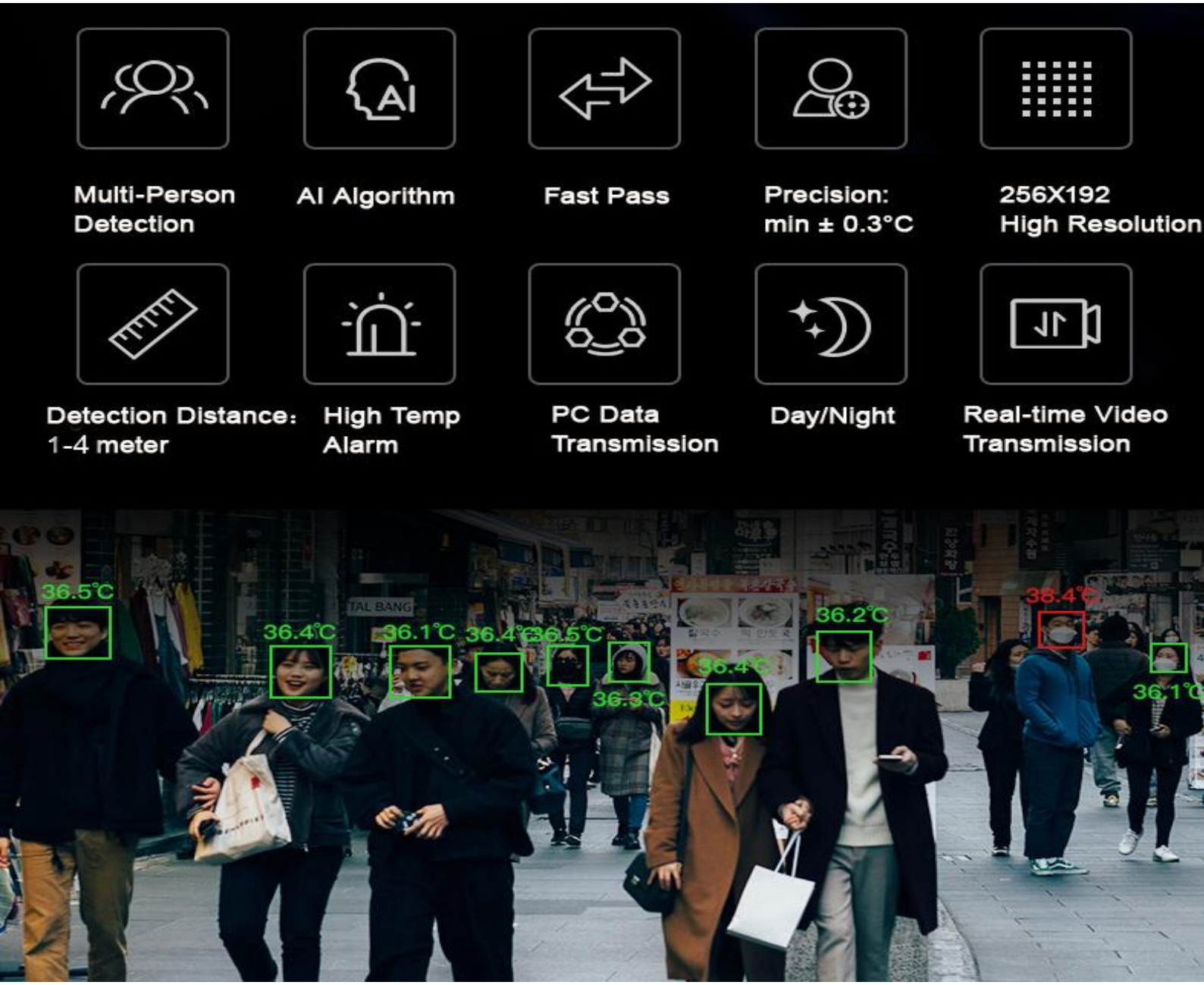
Present Situation

During the epidemic, entrances and exits in public places basically use manual close-inquiries, manual body temperature measurement, manual registration, and personal mobile phone declarations as methods to prevent and control the epidemic.This management method requires a large number of staffs,plus, staffs' self-protection standards are not uniform, which is easy to cause cross -infection. In addition, the information of thetested personnel is not comprehensive, and in the event of anew epidemic, there is no good traceability mechanism.

Solution

Easy to use,No computer is required, directly connected to the HD TV.

Product Features



- High sensitivity sensor with 256 x 192 thermal resolution;
- NETD is less than 60mk (@25° C, F#=1.0);
- Precision:min ± 0.3℃（35℃-38℃）;
- High quality imaging with 1920X1080@30fps resolution;
- Support for multi-person detection;
- With black body;
- Plug and play;
- Support 1*HDMI output to HD TV.

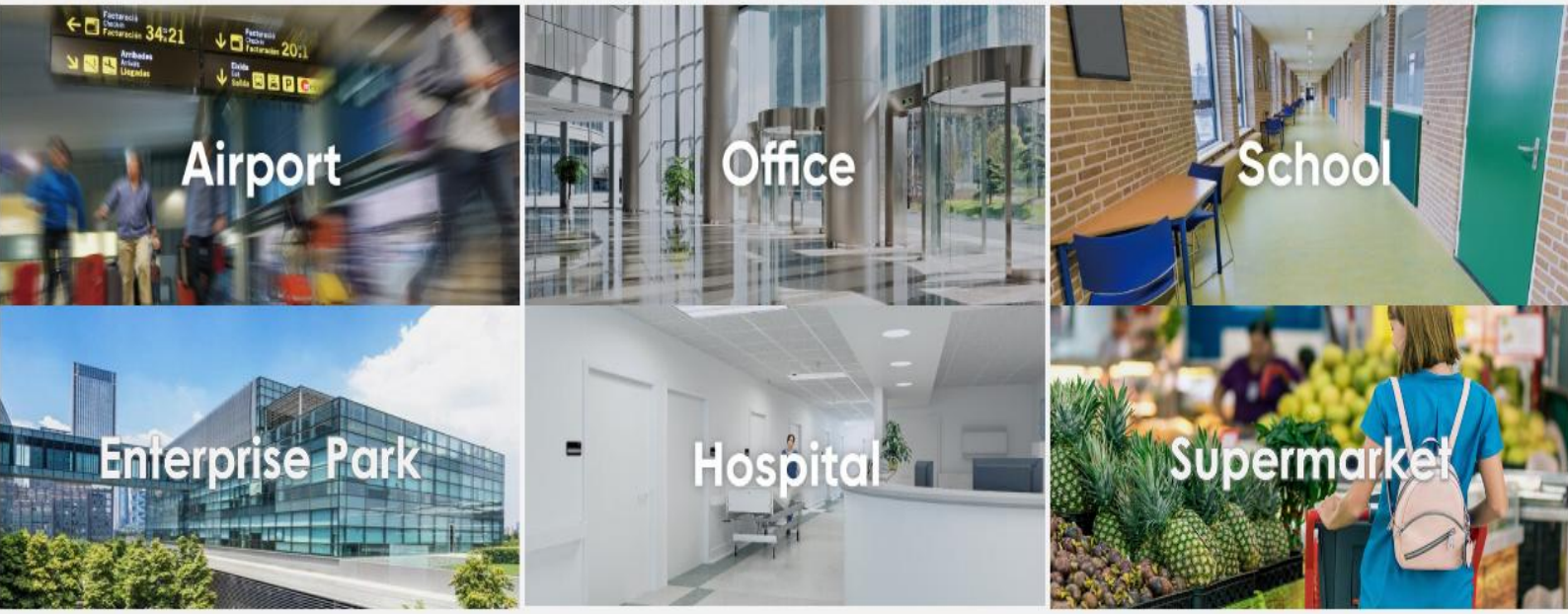
Specifiction

Mode	TG8259A
Thermal	
Image Sensor	VOx Uncooled Focal Plane Arrays
Resolution	256×192
Pixel Interval	12μm
Precision	Min ± 0.3℃（35℃-38℃）
Detection Distance	1m-4m
Field of View	56° × 42° (H × V)
Black body calibration	Support
Optical	
Image Sensor	1/2.8" 2.0M Pixel CMOS
Resolution	1920×1080
Min. Illumination	Color: 0.05Lux @ (F1.2, AGC ON), B/W: 0.01 Lux @ (F1.2, AGC ON)
Field of View	84° × 45° (H × V)
Focal Length	4mm
WDR	⩾80 dB
AI	
Face capture	Built-in deep learning AI algorithm, Supports simultaneous detection of 20-30 faces
Abnormal alarm	Voice alarm for body high temperature(default alarm threshold is 37.3℃)
Network	
Main Stream	Optical: 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
Hardware Interface	
Power Connector	DC 12V interface
Network	1*10M/100M Ethernet port (RJ-45)
Alarm interface	Support swith alarm signal output

Audio and video interface	Support1*HDMI audio and video output
Storage	Built-in 16GB EMMC storge,up to 100000 temperature measurement records
General	
Power supply	DC 12V
Power consumption	≤5W（White light turn off）
Work Temperature/Humidity	From -10°C to 35°C; Humidity: 90% or Less
Protection Level	IP64
Dimension	235 mm × 120 mm × 95 mm
Weight	Approx. 1.0 kg

Product Interface

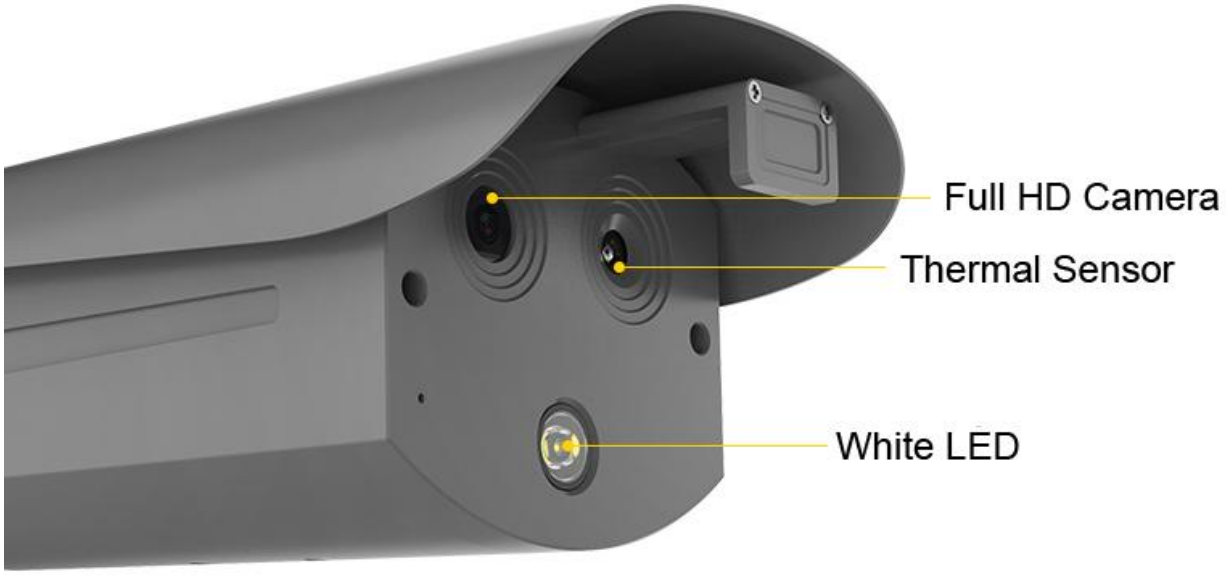
Number	Interface name	Interface Description
1	Power Interface	12VDC
2	Network Interface	RJ45 interface
3	Relay Interface	+：NO Normally open port -：COM common port
4	Audio Interface	1：Audio Input 2：Audio Ground 3：Audio Output 4：Null
5	HDMI Port	HDMI Output

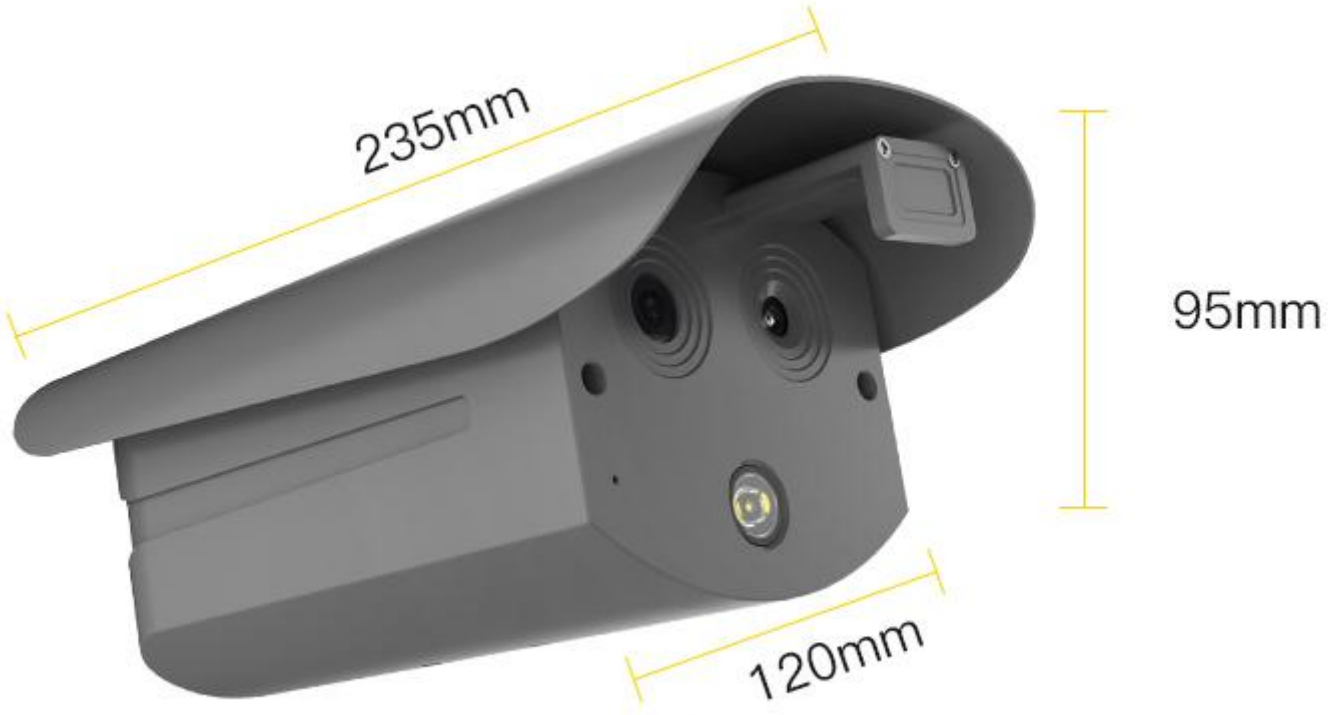


Application Scenarios

TG829A Thermal & Optical Bi-spectrum Network Camera can be used in Airport,Office,School,Enterprise Park Hospital Supermarket. CCDCAM's Thermal & Optical Bi-spectrum Network cameras are designed for the detection of skin-surface temperatures so as to achieve rapid preliminary screening in public areas. Actual core body temperatures should be further confirmed using clinical measurement devices.. Under any circumstances, it is highly recommended to use CCDCAM's thermal cameras in accordance with local laws and regulations.

Appearance And Dimensions





Shenzhen CCDCAM Technology Co.,Ltd.

7F Huolibao BLD, High-tech North 6 Road No.31, High Teck Park, Nanshan, Shenzhen,China (518057)

Email：sydney@ccdcam.com , sales@ccdcam.com

http://www.ccdcam.com

*Product specifications and availability are subject to change without notice.