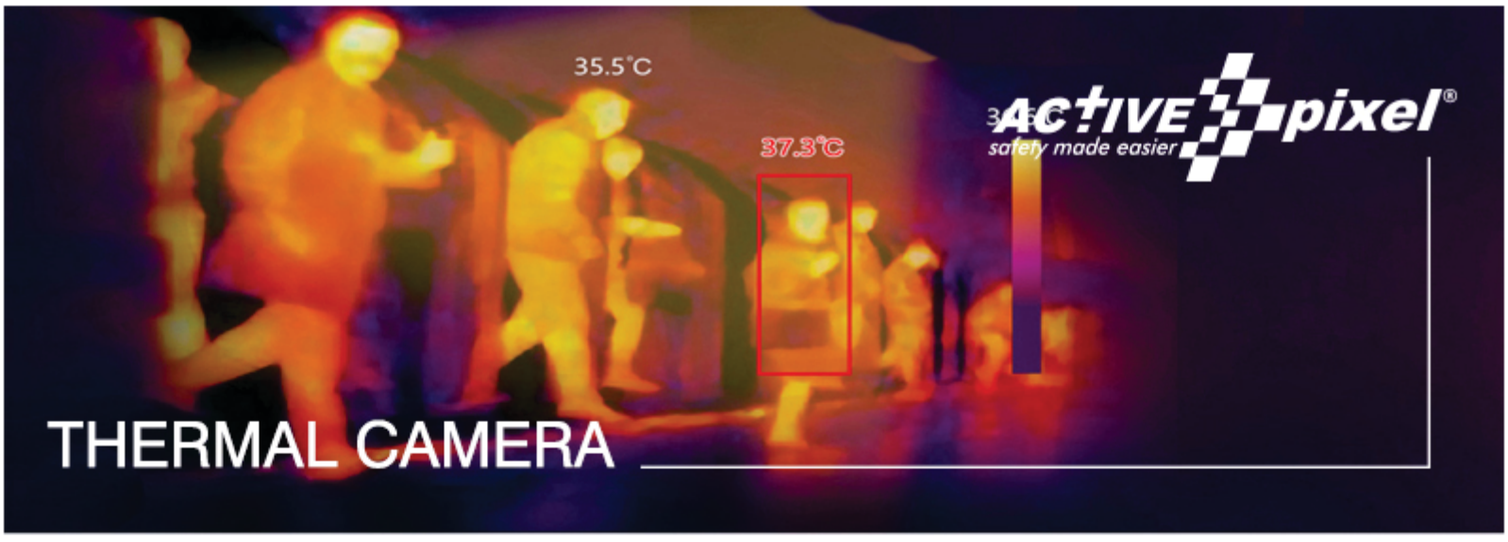



# Overview

TG-8266-T Thermal & Optical Bi-spectrum Network Camera, which is capable of highly accurate body temperature measurement, to within +0.3°C, The camera feature a built-in A1 algorithm for multi-person measurements up to 3m distances, enabling fast and non-contact access. Perfect for adjunct use in hospital, sub-acute health settings, public areas (i.e. airports), and more. Also can be widely used in close-range scene monitoring, such as indoor fire prevention, warehouse fire prevention, charging pile temperature monitoring and other fields.

Large Mobility

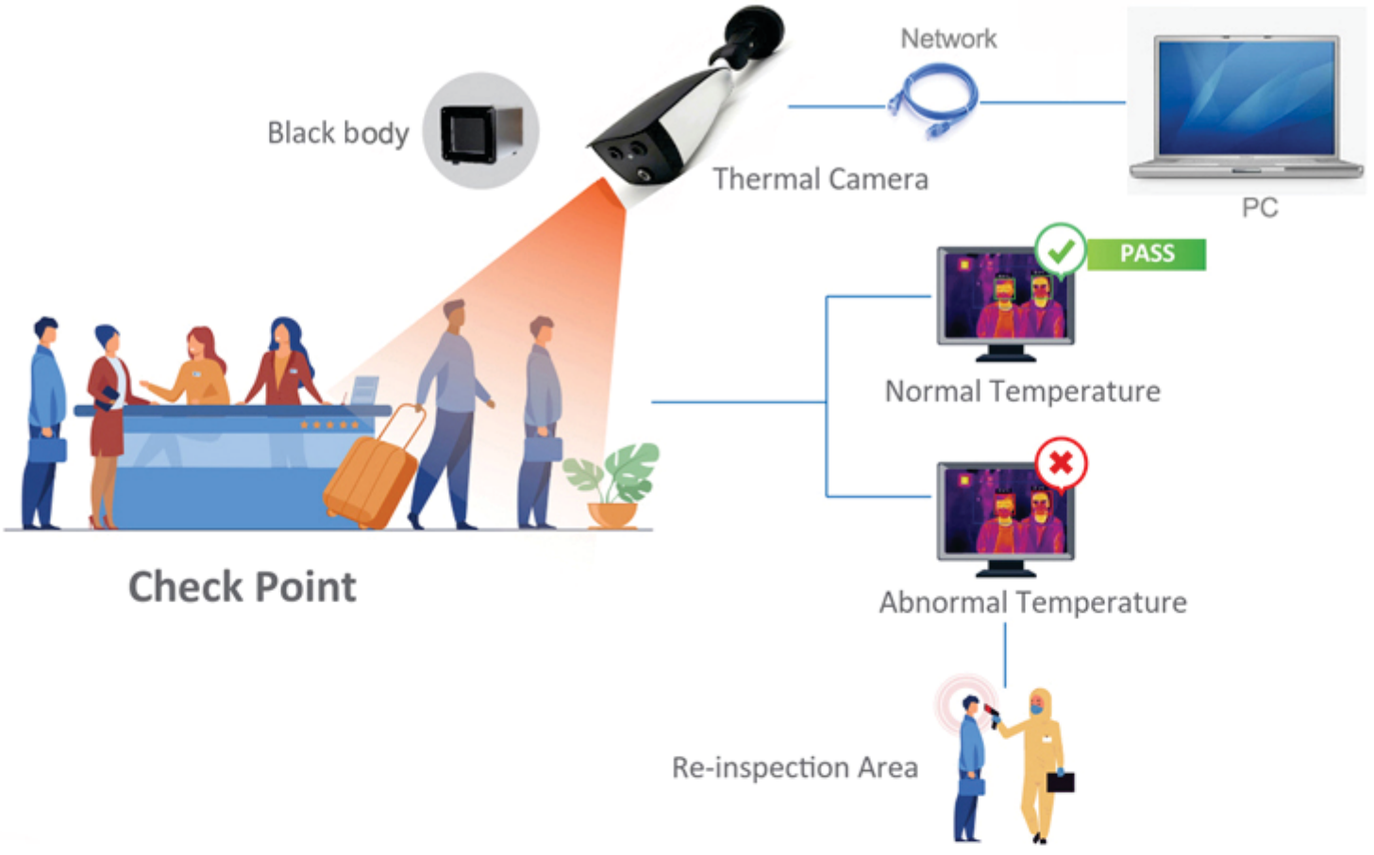
High Volume of Management

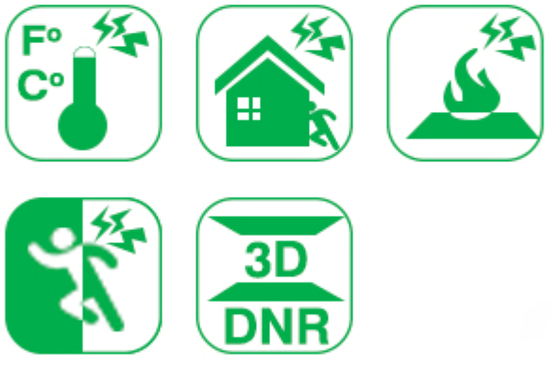
Cross Infection

# Present Situation

During the epidemic, entrances and exits in public places basically use manual close-inquiries, manual body temperature measurement, manual resgistration, 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 the tested personnel is not comprehensive, and in the event of a new epidemic, there is no good traceability mechanism.

# Solution





# Product Features

High sensitivity thermal module with 256 x 192 resolution,
NETD is less than 60 mk(@25oC, F#=1.0)
Support 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 resolution,
Bi-spectrum image fusion, picture-in-picture preview,
Support for capture and save in PC of personnel in and out.

# Specification

| Model | TG-8266-T |
|---|---|
| **Thermal** | |
| Image Sensor | VOx Uncooled Focal Plane Arrays |
| Resolution | 265 x 192 |
| Pixel Interval | 12um |
| 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" 2.0MP Pixel CMOS |
| Resolution | 1920x1080P |
| Min. illumination | Color: 0.005 Lux @ (F12, AGC ON), B/W: 0.001 Lux@(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 | IR 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** | |
| Face snapping | Built-in deep learning AI algorithm, Supports simultaneous detection of 20-30 faces |
| Temperature Measurement | Support global and local temperature |
| Temerature Range | From - 15°C to +150°C |
| Temerature Range | Target temperature 35°C ^ 38°C +0.3°C<br>Target temperature 20°C ^ 33°C +0.6 °C<br>Target temperature 38°C ^ 50°C +0.6 °C |
| **Network** | |
| Main Stream | Thermal 25fps (1920 x 1080, 1280 x 720) |
| Sub Stream | Thermal: 25fps (720 x 576, 352 x 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 |
| **General** | |
| Web Client Language | Languages English, Chinese |
| Power | DC 12V 0.65A |
| Work Temperature/Humidity | From -20°C to 55°C, Humidity, 95% or Less |
| Protection Level | IP67 |
| Dimension | 276mm x 101 mm x 81 mm (with bracket) |
| Weight | Approx. 1.0 kg |

# Application Scenarios


Airport


Metro


Commercial Building


School