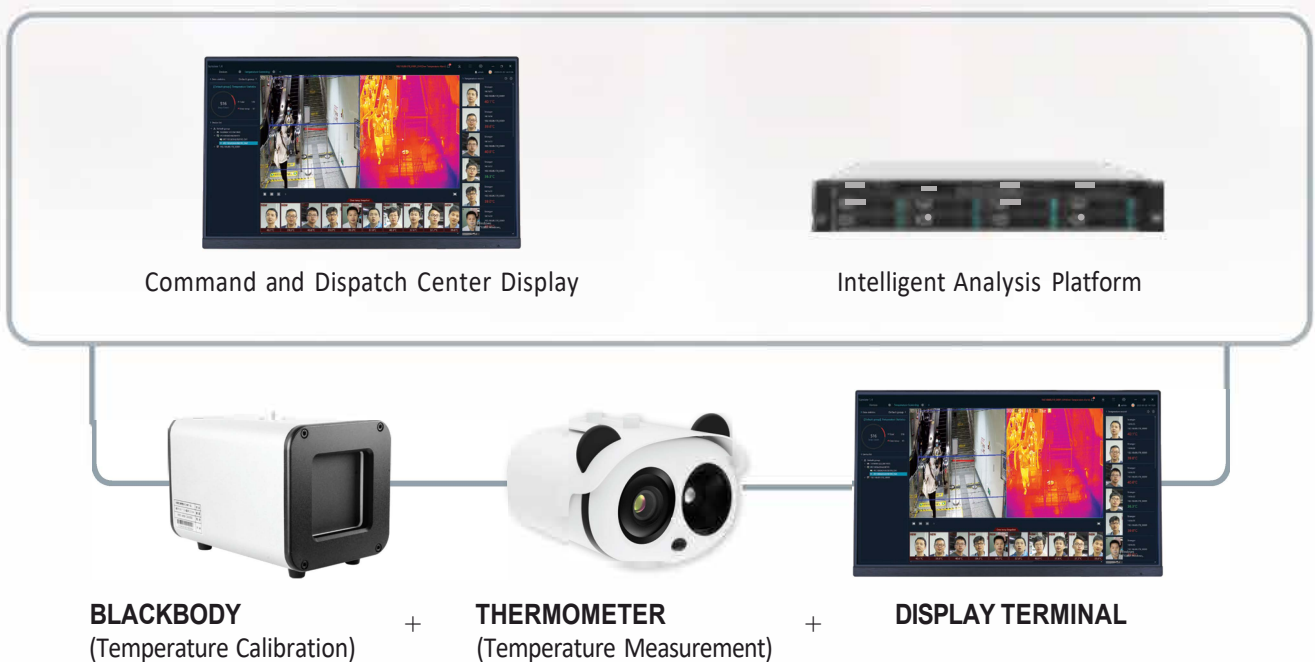




# PROFESSIONAL IR THERMAL IMAGING SOLUTION



## SYSTEM ARCHITECTURE





## FEATURES



**High Accuracy  
Facial Recognition**

Facial recognition algorithm uses to accurately detect temperature of the target and avoid interference from other heat source.



**Multi-object Contactless  
Temperature Measurement**

Obtain minimum 16 temperature measurements within 30 milliseconds between 2-5 meters.



**Dual Channel Camera  
with Real-Time Monitoring**

Visible light camera to capture human face.  
Thermal imaging camera to monitor body temperature.



**High Accuracy  
Temperature Measurement**

0.3 °C deviation due to different emissivity, distance, ambient temperature etc.

## TECHNICAL SPECIFICATIONS

### Infrared Thermometer (Temperature Measurement)

Thermal Imaging Display with Ultra-High Thermal HD Resolution	400px x 300px
Infrared Thermal Sensitivity	40mk
Infrared Field Angle (Horizontal x Vertical)	46 ° x 35 ° (Ultra-wide)
Focal Length of Visible Light Camera	2.8mm - 12mm, Adjustable Electric Focusing
Response Time	30ms
Color Mode Selection	Up to 17 Color Mode
Alarm Response Time	< 1s
Protection Level	IP66
Power Supply	DC12V
Dimension (W/ x D x H)	212mm x 182mm x 136mm
Weight	2.12 kg

### All-in-One (AIO) Display Terminal

Display Size	21.5"
Processor	Intel i5-7500 Quad Core
RAM	8 GB
Storage	1 TB
Interface	2 x USB 2.0, 2 x USB 3.0, 1 x HDMI, 1 x RJ-45
Screen Resolution	1920px x 1080px
Screen Brightness	Up to 500cd/m <sup>2</sup>
Screen View Angle	178° / 178°
Power Supply	110V-240V, 50-60Hz
Dimension (W/ x D x H)	490mm x 160.2mm x 295.05mm
Weight	4.35 kg

### Blackbody Radiator (Temperature Calibration)

Temperature Range	35 °C ~ 45 °C
Effective Emissivity	0.97
Temperature Resolution	0.1 °C
Radiation Surface	78mm x 78mm
Temperature Accuracy	±0.15 °C
Temperature Uniformity	±0.2 °C
Power Supply	220V, 50Hz
Dimension (W/ x D x H)	240mm x 110mm x 150mm
Weight	1.5 kg

