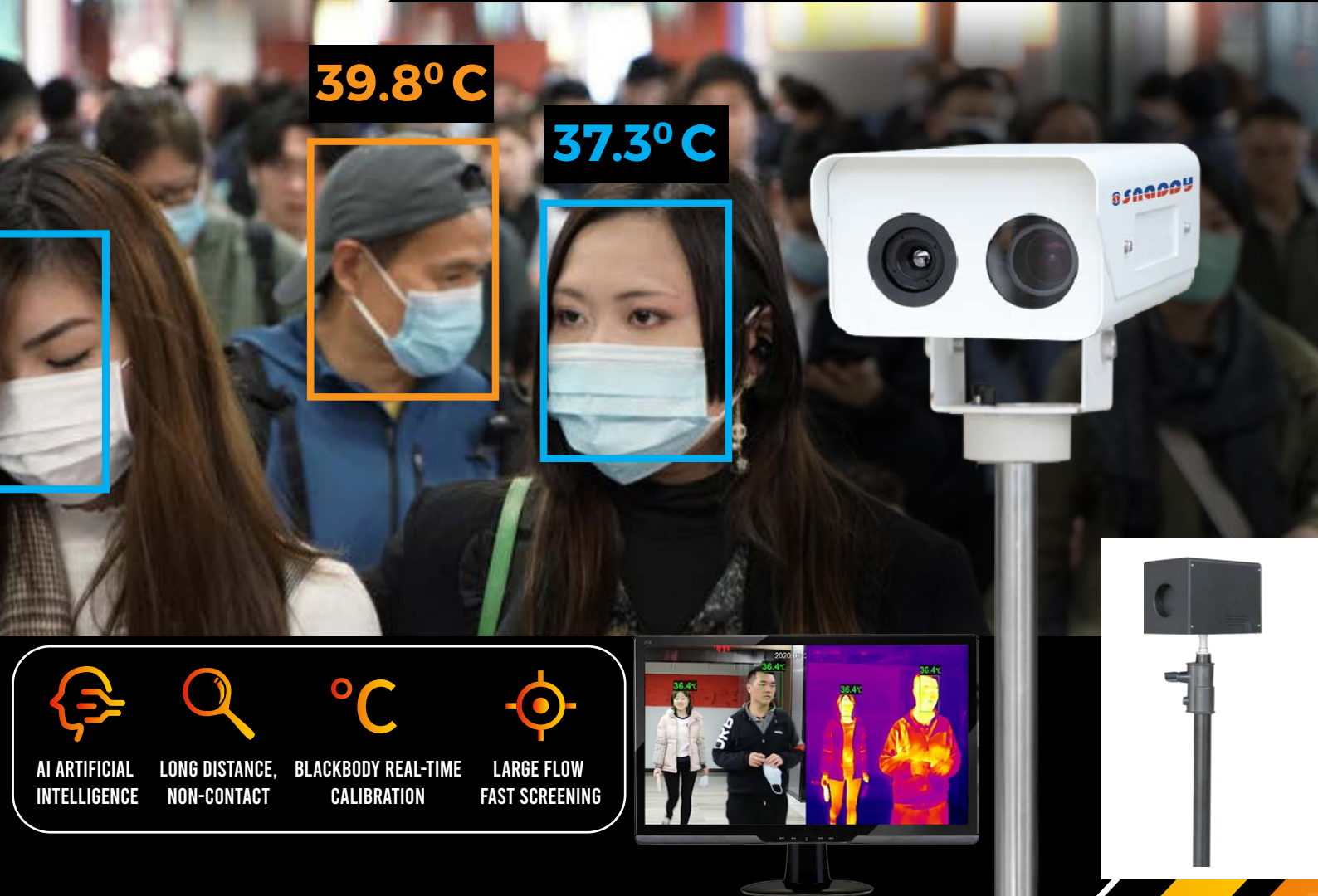


THERMAL IMAGING CAMERA WITH BLACKBODY



39.8°C

37.3°C

- AI ARTIFICIAL INTELLIGENCE
- LONG DISTANCE, NON-CONTACT
- BLACKBODY REAL-TIME CALIBRATION
- LARGE FLOW FAST SCREENING



INFRARED THERMAL IMAGING TEMPERATURE SCREENING SYSTEM

FEATURES

AI artificial intelligence

Real-time face temperature detection, which can simultaneously capture more than 30 face temperatures within an effective temperature measurement distance

Independent research and development of core devices

The core device is independently developed, with a large imaging area, accurate temperature measurement and clear images

Traffic statistics

Software management platform can generate reports automatically with real-time traffic statistics, according to date, time, personnel temperature, etc

Scene-based intelligent temperature algorithm

The internal (underarm) and surface temperature mode is automatically converted to display the body temperature in real time

Support data interface and remote video transmission

Provide SDK development kit for data interface. Full network, bi-spectral image with single IP output, remote video transmission (ONVIF, RTSP) with real-time temperature display

TECHNICAL SPECIFICATION

Item	IP51-AB0	
Detector	Detector type	Uncooled FPA
	Wavelength	8 - 14 μm
	Resolution	160x120
Lens	FOV	40°x30°
	Focal length	3.85mm
Functions	Temperature range	20°C ~ 50°C
	Measurement accuracy	$\leq 0.3^\circ\text{C}$
	Alarm response time	<1s
	Color code	11
	Temperature calibration	Automatic temperature correction via built-in and external blackbody
	Long range distance	2.7m
	Measurement response	<0.1s
Alarm Function	Alarm mode	Body surface, core temperature
	Max. Alarm number	More than 30
	Intelligent function	Human face temperature detect, face capture and comparison
	Alarm trigger	Available
CCD	Resolution	1920x1080
	Imaging device	2 million CMOS
	Function	Support wide dynamic
Network	Programming interface	Support SDK, Windows, 32 bit and 64bit
	Web	IE : Microsoft Internet Explorer (version 9-11)
	Protocol	TCP/IP, UDP/IP, RTP(UDP), RTP(TCP), RTCP, RTSP, NTP, HTTP, HTTPS, SSL, DHCP, FTP, ICMP, IGMP, ARP, DNS
Environment	Operation temp	10°C - +35°C
	Storage temp	-40°C - +60°C
Physical Interface	Input voltage	DC 12V
	Power consumption	$\leq 15\text{W}$
	Web interface	1 channel RJ45
	Weight	<1.5KG
	Dimension to camera	<232x145x85mm
	Use condition	Indoor
Black Body Parameter	Factory settings	37°C
	Temperature resolution	0.1°C
	Effective radiation plane	$\Phi 70\text{mm}$
	Working temperature	0-35°C
	Power	110-220V AC
	Effective emission	0.96
	Weight	<3.5KG
	Power consumption	60W
	Temperature stability	$\pm(0.1-0.2)^\circ\text{C}/30\text{min}$
	Dimension	155x133x137mm

CONFIGURATION

Thermal imager, Black body, Tripod stand(optional), Computer (optional)