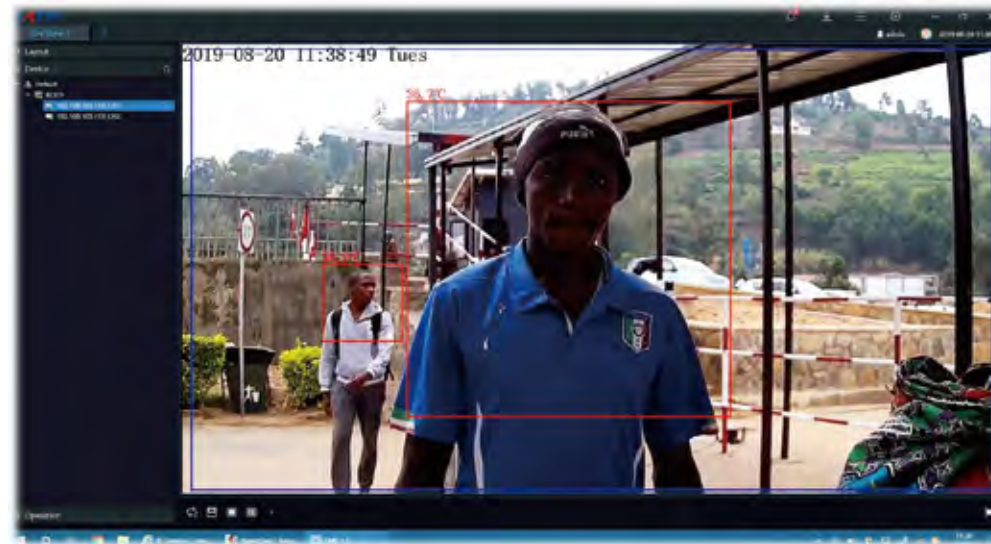


CBRN Magyarország



LEADING THE WAY IN THERMAL IMAGING

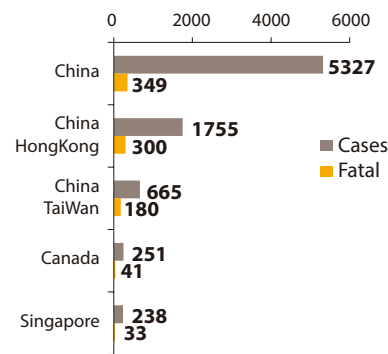
SATIR CK350-F LÁZDETEKTÁLÓ RENDSZER



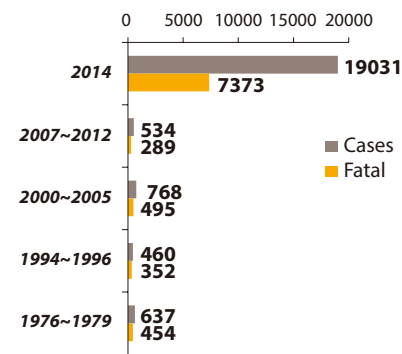
Industry Background

Infectious Diseases Serious Events

WHO shows in 2003 ,the SARS epidemic data statistics
(data until 11th July 2003.)



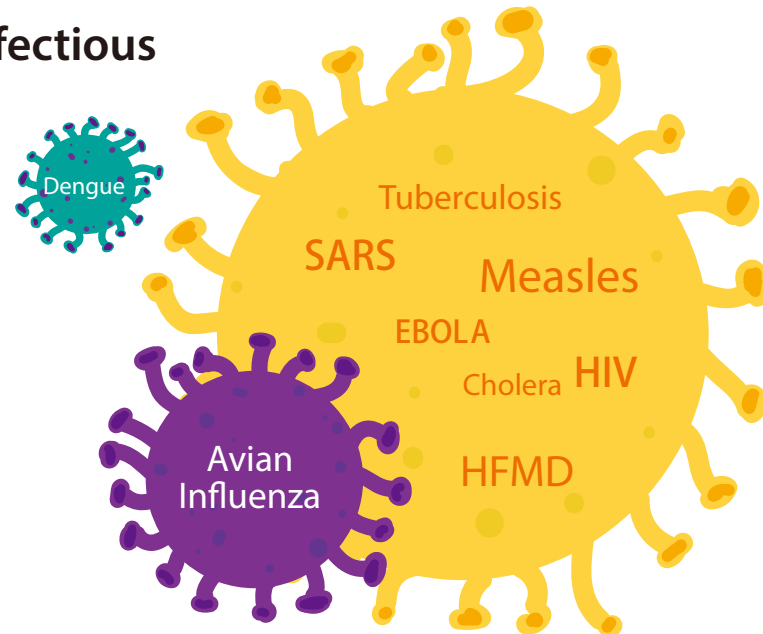
Ebola virus data statistics



Close Connection between Infectious Diseases and Fever

According to clinical manifestations, among the 39 legal infectious diseases in China, 28 have premature fever symptoms

Body temperature measurement is an important method for infection control



Principles for Preventing and Controlling Infectious Diseases

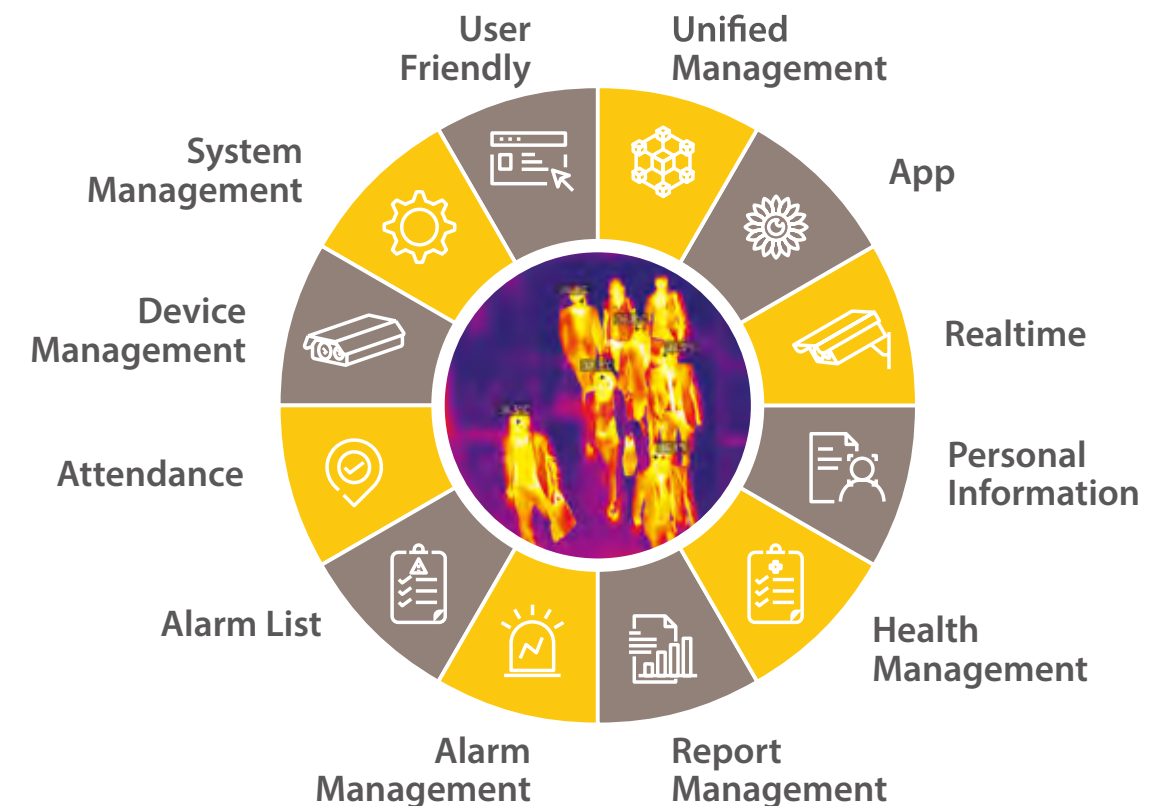


Temperature Measurement and Face Recognition System



- Intelligent Facial Recognition**
 - Deep learning
 - Quickly Targets high or abnormal temperatures
- Thermal Temperature Measurement**
 - No-contact temperature measurement
 - Quickly measures multiple targets at a time
- Big Data Analysis**
 - Health data
 - Statistics report
 - Analysis of epidemic trend

System Formations



System Functions

Online monitoring for rapid temperature measurement

- Simultaneous detection of up to 8 targets, at 20 fps
- Efficient temperature measurement



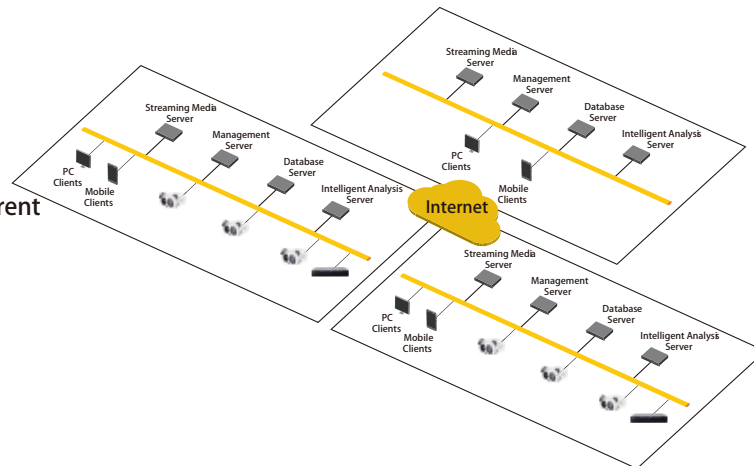
Archives Management

- Data management
- Batch import/export
- Self-learning algorithm, face library regular update



Multilevel Distribution Architecture

- 3 levels distribution deployment
- Servers and Clients management based on different project scale



Health Archives Management

- Temperature data
- Data structuring
- Health archives
- Health status
- Tips



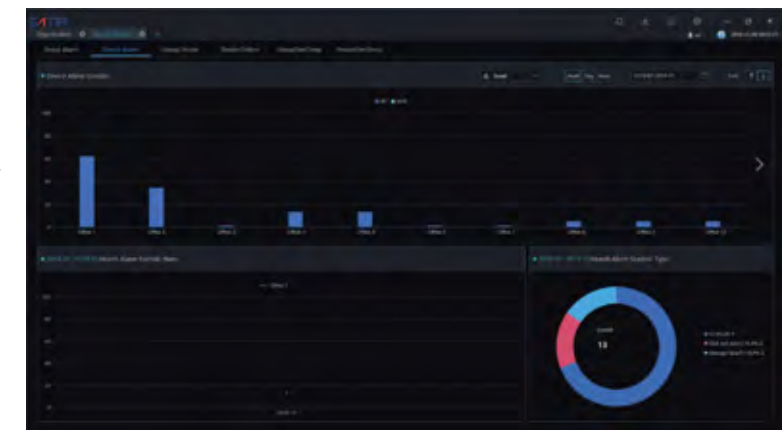
Mobile APP

- Real-time health data monitoring
- Health data statistics ,user receives health report



Data Statistics Report

Statistic reports and analysis according to Age/Gender/ Time/Type and illness/Location



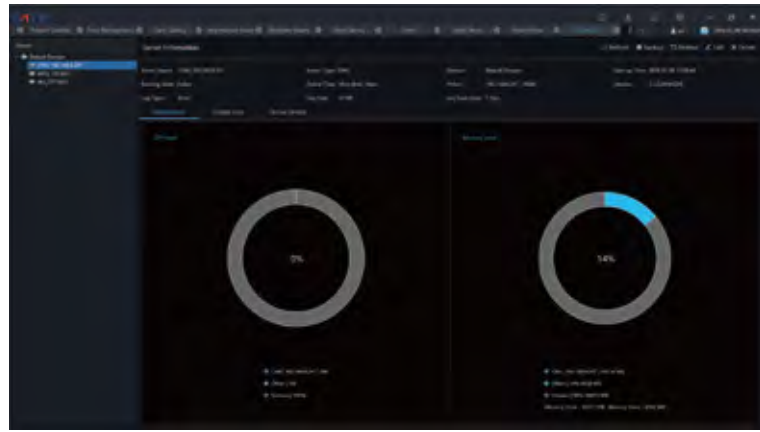
Pre Warning Management

- Face recognition intelligent technology works in combination with temperature measurement technology, it provides the location of the over-temperature target solving a problem when over-temperature target information cannot be confirmed immediately, at the same time camera provides materials for a further supervision and sends a report
- Audio support



System Management

System status monitoring, system configuration, operation log, abnormal log, debug information etc.



Applications



School



Airport

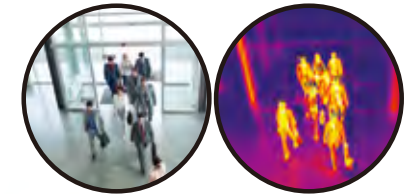
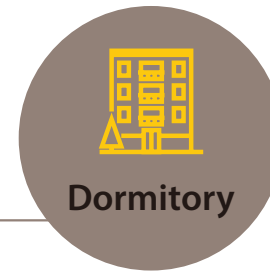


Custom



Hospital

Solution -Education

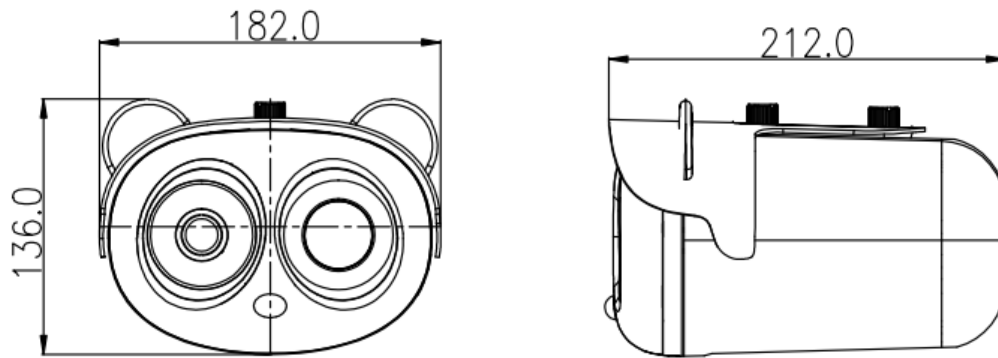


Specification

Thermal Camera	
Detector Type	Uncooled IRFPA Microbolometer
Effective Pixels	384(H) × 288(V)
Pixel Size	17µm
Thermal Sensitivity (NETD)	50mK @F1.0, 300K
Spectral Range	8~14µm
Image Setting	Polarity LUT/ DVE/ Mirror/ FCC/ /3D DNR Brightness/Contrast/ ROI
Color Palettes	Black-Heat /White-Heat/Rainbow/Iron-Red up to 17 modes
Thermal Lens	
Lens Type	Fixed
Focus Control	Manual Focus
Focal Length	8mm
F No.	F1.0
Angle of View	H: 46°, V:35.3°
Visible Camera	
Image Sensor	1/1.9" Sony CMOS
Effective Resolution	1920(H) × 1080(V)
Shutter Speed	1/50 ~ 1/64,000s
Wide Dynamic Range	True WDR 120dB
Min. Illumination	Color: 0.01Lux @(F1.2, AGC ON) B/W: 0.001Lux @(F1.2, AGC ON)
S/N Ratio	More than 55dB
Focal Length	2.7 ~ 12mm
Max Aperture	F1.6~ F2.9
Angle of View	105°~ 32°
Focus Control	Motorized
Video and Audio	
Compression	H.265, H.264, MJPEG
Frame Rate	Main Stream: Thermal: D1 @25/30fps Visible: 1920 × 1080/1280 × 720 @25/30fps Sub Stream: Thermal: CIF @25/30fps Visible: D1/VGA/640 × 360/CIF/QCIF/QVGA @25/30fps
Bit Rate Control	CBR/VBR
Bit Rate	Thermal: 100Kbps~6Mbps Visible: main stream: 500Kbps~10Mbps; sub stream: 100Kbps~6Kbps
Region of Interest	Off / On (8 Zone, Rectangle)
Digital Zoom	16x
Mirror	Support
Defog	Support
Motion Detection	Support
Privacy Masking	Off / On (4 Area, Rectangle)
DVE Image Enhance	Support
Audio Compression	G.711, AMR, RAW_PCM (Optional)

Intelligence	
Intelligent Functions	Motion detection, Disk alarm, I/O alarm, Temperature alarm
IVS	Smart Body Detection, Perimeter, Single Virtual Fences, Double Virtual Fences, Object Left, Object Removed
Temperature Detection	
Detection Mode	Body temperature monitoring
Detection Preset	Max 16 goals
Temperature Alarm	Over temperature alarm, Temperature difference alarm
Accuracy	≤ 0.3 °C (Emission rate, distance, ambient temperature, etc.)
Response Time	≤ 30ms
Theory of temperature measurement range	-20 °C ~ 60 °C (-4°F ~ 140°F)
Temperature display mode	Temperature target >5°C, Display absolute temperature value; Temperature target ≤5°C, Display relative temperature value (temperature difference DEV = highest value - average)
Network	
Ethernet	RJ-45 (10/100Base-T)
Protocols:	IPv4/IPv6, HTTP, RTSP/RTP/RTCP, TCP/UDP, DHCP, DNS, PPPOE, SMTP, SIP, 802.1x
Interoperability	ONVIF, CGI, SDK
Streaming Method	Unicast
Max. User Access	10 Users
Edge Storage	NAS Local PC for instant recording Micro SD card 128GB
Web Viewer	<IE11, Chrome, Firefox
Web Language	English, Chinese, Polish, Italian, Portuguese, Spanish, Russian, French, Czech, Hungarian
Interface	
Ethernet	1 Ethernet (10/100 Base-T) RJ-45 Connector
Audio Interface	1ch Audio In, 1ch Audio Out
Alarm	2ch Alarm In, 2ch Alarm Out
RS485	Support
BNC Output	N/A
Reset Button	Support (Built-in)
General	
Power Supply	DC12V/POE (IEEE 802.3af)
Power Consumption	Max 10W
Operating Temperature	-30°C~60°C(-22°F~140°F)
Storage Conditions	0~ 90% RH
Certifications	CE /FCC
Ingress Protection	IP66
Casing	Metal
Dimensions	212 × 182 × 136mm
Net Weight	2Kg

Dimensions(mm)



Accessories

Optional:



Wall bracket



Ceiling Bracket

Blackbody Specification



Temperature Range	40°C (Ambient temp. +5.0°C to 50°C)
Emissive Area	70mm x 70mm
Temperature Resolution	0.1°C
Accuracy	±0.2°C (@40°C)
Stability	±(0.1~0.2) °C/30min
Emissivity	0.97±0.02
Power Supply	220V AC 50Hz 50W
Dimension/Weight	W110mm x H120mm x D180mm, 1.8kg
Operating ambient temp.	0°C~40°C / ≅80%RH
Option	RS485 communication

Note:

Product features: The application of these sources are calibrations of IR thermometers, IR sensors and thermal imagers which are used for human body temperature measurement.

Magyarországon kizárólagosan forgalmazza és szervizeli:



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