

CK350-F **Intelligent Advance Level Fever Screening System**



The CK350-F is a fever screening system suitable to be used in areas where there are large groups of people such as airports, seaports, and public places such as shopping centres. It is a fixed camera that has a powerful 384x288 IR detector which delivers 110,592 pixels to the end-user's screen. The thermal video/images have a temperature measurement range of $-20^{\circ}\text{C} \sim +60^{\circ}\text{C}$ and measurement accuracy of $\leq 0.3^{\circ}\text{C}$ which makes this ideal for fever screening programmes. It also comes with a range of temperature measurement tools which includes Motion detection, Disk alarm, I/O alarm, Temperature alarm and many more. The CK350-F allows non-invasive fever screening to take place meaning there is no major disruptions to the flow of people in an area.



Key Features

- 384x288 IR Detector
- Specially designed optical system for medical diagnosis
- Powerful analysis tools
- Operation software optimised for medical diagnosis & analysis
- Blackbody System for Constant Reliable Temperature Measurement
- AI Facial Recognition Software

CK350-F Specifications

Thermal Camera	
Detector Type	Uncooled IRFPA Microbolometer
Effective Pixels	384(H) ×288(V)
Pixel Size	17μm
Thermal Sensitivity (NETD)	40mK @F1.0, 300K
Spectral Range	8~14μm
Image Setting	Polarity LUT/ DVE/ Mirror/ FCC /3D DNR/Brightness/ Contrast/ ROI
Colour 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	3MP
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 @25/30fpsSub Stream: Thermal: CIF @25/30fps Visible: D1/VGA/640×360/CIF/QCIF/QVGA @25/30fps
Bit Rate Control	CBR/VBR

CK350-F Specifications

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

CK350-F Specifications

Max. User Access	10 Users
Edge Storage	NAS, Local PC for instant recording, Micro SD card 128GB
Web Viewer	Internet Explorer
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

Blackbody Specifications

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

Please be aware specifications can vary from time to time

Marley's Lane, Drogheda, Co. Louth, Ireland

Tel: + 353 (41) 9646766
Website: www.satir.com

Email: enquiry@satir.com