

The Apollo - FDTCS

In-motion thermal fever detection system



Key Features

- Tracks Temps in Motion
- $\leq +0.54^{\circ}\text{C}$ Accuracy
- $86^{\circ}\text{F} - 113^{\circ}\text{F}$ Range
- Blackbody Included
- Dual Spectrum
- Automatic calibration
- Tripods included
- NVR included
- 3 Year Warranty



Thermal Sensor	
Image Sensor	Vanadium Oxide Uncooled Focal Plane Arrays
Pixel Size	17 μm
Maximum Image Size	1920*720
Frame Rate	25FPS
NETD	$\leq 50\text{mk @ f1.0}$
Lens	9.7mm
Response waveband	8~14 μm
Angle of View	39° Horizontal
Detection distance	10 to 20 feet away
Visible Sensor	
Image Sensor	1/1.8" Progressive Scan CMOS
Lens	6mm
Resolution & FPS	4MP 2688x1520 @ 60fps
Minimum Illumination	Color 0.01 Lux (F1.6 AGC On)
IR Range	165FT
WDR	True 120dB WDR
Camera Communication & Power	
SD Card	microSD Up to 256GB
Network Protocols	IPv4, IGMP, ICMP, ARP, TCP, UDP, DHCP, PPPoE, RTP, RTSP, RTCP, DNS, DDNS, NTP, FTP, UPnP, HTTP, HTTPS, SMTP, 802.1x, SNMP, QoS, RTMP
Interface	Ethernet
Audio	Built in Mic and Speaker
Audio In/Out	1 Input: 1 Input: impedance 35k Ω ; amplitude 2V 1 Output: 1 output: impedance 600 Ω ; amplitude 2V [p-p]
Alarm Input / Output	2/2
Serial Port	1 RS-485
Power	DC12V($\pm 25\%$), PoE+(IEEE802.3at) at 11W

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Blackbody	
Accuracy	±0.18°F(@factory calibration, environment temperature 73.4°F ± °7F); ±0.36°F (@factory calibration, environment temperature 73.4F ±15°F)
Stability	±0.3°F/30min
Radiation Area	72mmx72mm
Radiation Spectrum	8µm~14µm
Power	DC24V 90W
Temperature Measurement	
Environment Temperature Range	60.8°F~89.6°F
Target temperature range	89.6°F~107.6°F
Temperature measurement accuracy	≤±0.54°F
Working Humidity	≤90%RH(non-condensing)
Software Functions	
Software	Included
NVR	Included
Alarms	Automatic Image Capture Camera Alerts locally with light/ audio
Image Capture	Automatic when alarm is triggered
Temperature display	Displays in both infrared and visible light
Body & Surface temperature	Automatic temp calibration
Included Components	
Package Components	1 Thermography camera, 1 blackbody, 1 16p PoE NVR, power adapters
Tripods	2 included for blackbody and thermography camera
Warranty	3 Years