

BACK TO WORK SAFELY

IPCamera ZN-T5/F & Black Body ZN-TH01

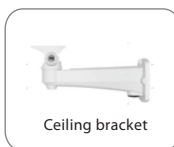
Body Temperature Detection (Full Set)



Thermal Camera



Black Body



Ceiling bracket



Wall bracket

ZN-T5/F is a Body Temperature Measurement IP surveillance measurement device that comes with both thermal imaging camera and visible light capabilities. A complete set with the ZN-TH01 has an exceptional reading capability of body temperature with up to 16 people standing or moving about 10 feet away, reaching an accuracy within 1.5 degrees Fahrenheit. This set of detectors deploys the black body radiation technology which synchronizes so well the body temperature measurements automatically with real-time video surveillance within just 30 milliseconds response time. The Black body absorbs all wave radiation without any reflection or shooting through. Its radiation measurement depends only on the temperature itself. Built-in with a high level of competency in avoiding all types of interference received from outside ambient temperature or materials and with accurate corresponding relationship between grayscale and temperature. A well functioning feature in calibrating the measured temperature time by time with a controlled accuracy between $\pm 0.3^{\circ}\text{C}$.

Suitable to be used in exhibition center, government office, electronic factory, prison, bank & hotel.



Thermal Sensor Security Performance

High sensitivity thermal imaging camera ($\leq 40\text{mK}$) captures real-time and accurate temperature reading



Contactless Body Temperature Measuring & Monitoring

Eliminate unnecessary direct contact for effective prevention



Fast Checkpoint Screening

Prompt temperature measurement with $\pm 0.3^{\circ}\text{C}$ accuracy and $\leq 30\text{ms}$ response time



Instant Visual Alert

Control access of individuals with body temperature anomalies



Mass Screening in Public Areas

3-meter distance up to 30 targets



Device Durability

Wide tolerance for unstable environmental conditions



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SPECIFICATIONS



MODEL	IPCamera ZN-T5/F
THERMAL CAMERA	
Detector Type	Uncooled IRFPA Microbolometer
Effective Pixels & Pixel Size	400(H) * 300(V), 17um
Thermal Sensitivity (NETD)	≤40mK @F1.0, 300K
Spectral Range	8 ~ 14um
Image Setting	Polarity LUT/DVE/Mirror/FCC/3D DNR Brightness/Contrast/ROI
Color Mode	Black-Heat/White-Heat/Rainbow/Iron-Red up to 17 modes
THERMAL LENS	
Lens Type	Fixed
Focus Control, Focal Length	Manual Focus, 8mm
Iris, FOV	F1.0, H: 46°, V: 35°
VISIBLE LENS	
Image Sensor	1/2.8" Sony CMOS
Effective Resolution	1920(H) * 1080(V)
Shutter Speed	1/50 ~ 1/20,000s
Wide Dynamic Range	True WDR 120dB
Min. Illumination, S/N Ratio	Color: 0.1Lux @(F1.2, AGC ON), B/W: 0.01Lux @(F1.2, AGC ON), More than 55dB
Focal Length, Max Aperture	2.7 ~ 12mm, F1.6 ~ F2.9
FOV, Focus Control	105° ~ 32°, 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
Bit Rate Control	CBR / VBR
Bit Rate	Sub Stream: Thermal: CIF @25/30fps, Visible: D1/VGA/640 *360/CIF/QCIF/QVGA @25/30fps. Thermal: 100Kbps~6Mbps, Visible: Main stream: 100Kbps~12Mbps, Sub stream: 10Kbps~1.5Mbps
Region of Interest, Digital Zoom	Off/On (8 Zone, Rectangle), 16x
Mirror/Defog/Motion Detection	Support
Privacy Masking	Off/On (4 Areas, Rectangle)
DVE Image Enhance	Support
Audio Compression	G.711, RAW_PCM
INTELLIGENCE	
Alarm	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 & Preset	Body temperature monitoring, Max 30 goals
Temperature Alarm	Over temperature alarm, temperature difference alarm
Accuracy	≤0.3°C (Emission rate, distance, ambient temperature) with blackbody
Response Time, Detection Range	≤30ms, -20°C~60°C (-4°F~140°F)
Temperature display mode	If temperature target >5°C, display absolute temperature value; If temperature target ≤5°C, display relative temperature value
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, User Access	Unicast, Max. 10 Users
Edge Storage	NAS Local PC for instant recording Micro SD card 128GB
Web Viewer	<IE11, Chrome, Firefox
INTERFACE	
Ethernet	1 Ethernet (10/100 Base-T), RJ-45 Connector
Audio, Alarm	1ch Audio In, 1ch Audio Out, 2ch Alarm In, 2ch Alarm Out
RS485, Reset Button	Support, Support (Built-in)
GENERAL	
Power Supply, Consumption	DC12V/POE (IEEE 802.3af), Max 10W
Operating Temperature	-30°C~60°C (-22°F~140°F)
Ingress Protection	IP66
Dimensions, Net Weight	212 * 182 * 136 (mm), 2.1kg
MODEL	
Black Body ZN-TH01	
Temperature Range	40.0°C (Ambient temp. +5.0°C to 50.0°C)
Emissive Area	70mm x 70mm
Temperature Resolution	0.1°C
Accuracy, Stability, Emissivity	±0.2°C (@40°C), ±(0.1 ~ 0.2)°C / 30min, 0.97 ± 0.02
Power Supply/Consumption	AC220V / 50Hz, 50W
Working Temperature/Humidity	0°C ~ 40°C / ≤80%RH
Dimensions (W * H * D)	110 x 120 x 180 (mm)
Weight, Optional	1.8kg, RS485

Note: Specifications are subject to change without prior notice.

Authorized Reseller: