

ZN-T97

Body Temperature Detection Network Camera



- On-board temperature-detection algorithm
- Dual lens (Thermal + Visible Light)
- Effective pixels: 320×240
- Thermal sensitivity: <60mk (@25C, F#=1.0, 300K, 50Hz)
- Thermal: 3.6mm fixed lens
- Visible: 4mm fixed lens
- Accuracy: ±0.5°C
- Object detection (up to 10 targets)
- Response time: ≤50ms
- 3 color palettes

Specifications

Thermal Camera	
Thermal Detector	Uncooled IRFPA Microbolometer
Effective Pixels	320(H) * 240(V)
Pixel Size	17um
Thermal Sensitivity (NETD)	<60mk (@25C, F#=1.0, 300K, 50Hz)
Spectral Range	8 ~ 14um
Image Setting	Polarity LUT / DVE / Mirror / FCC / 3D DNR Brightness / Contrast / ROI
Color Mode	Black-Heat / White-Heat / Rainbow
Thermal Lens	
Lens Type	Fixed
Focus Control	Manual
Focal Length	3.6mm
Iris	F1.0
FOV	H: 35°, V: 27°

Visible Lens	
Image Sensor	1/2.8" CMOS
Effective Resolution	1920(H) * 1080(V)
Shutter Speed	1/50 ~ 1/64,000s
Wide Dynamic Range	80dB WDR
Min. Illumination	Color: 0.005Lux @(F1.2, AGC ON) B/W: 0.001Lux @(F1.2, AGC ON)
S / N Ratio	More than 46dB
Focal Length	4mm
Max Aperture	F1.2
FOV	84° ~ 45°
Focus Control	Manual

Video and Audio

Compression	H.265+ / H.265 / H.264 + MJPEG
Frame Rate	NTSC main stream: 1920X1080@30fps sub-stream: D1@30fps PAL main stream: 1920X1080@25fps sub-stream: D1@25fps
Bit Rate Control	CBR / VBR
Bit Rate	Visible: main stream: 16Kbps-4Mbps sub-stream: 16Kbps-1Mbps
Digital Zoom	16x
Audio Compression	G711-U, G711-A, PCM, G726, AAC

Temperature Detection

Detection Mode	Body temperature monitoring
Detection Preset	Max. 10 goals
Temperature Alarm	Out-of-range temperature alarm, temperature difference alarm
Accuracy	≤0.3°C (Emission rate, distance, ambient temperature, etc.)
Response Time	≤50ms
Detection Range	15°C ~ 150°C (59°F ~ 302°F)
Temperature Display Mode	If temperature difference >5°C, display absolute temperature value; If temperature difference ≤5°C, display relative temperature value (temperature difference DEV = highest value - average)

Network

Ethernet	RJ-45 (10 / 100Base-T)
Protocol	RTSP, RTP, TCP, UDP, UPNP, DHCP, PPPoE, ONVIF, GB/T 28181
Interoperability	ONVIF, CGI, SDK
Streaming Method	Unicast
Max. User Access	3 Users
Web Viewer	<IE11
Web Language	English, Chinese

Interface

Ethernet	1 Ethernet (10 / 100 Base-T) RJ-45 Connector
Audio	1ch input, 1ch output
Alarm	1ch input, 1ch output

General

Power Supply	DC12V
Power Consumption	Max 5W
Operating Temperature	-20°C ~ 55°C (-4°F ~ 131°F)
Storage Conditions	0 ~ 90% RH
Ingress Protection	IP67
Casing	Metal+Plastic
Dimensions (L*W*H)	246 * 101 * 81 (mm)
Net Weight	1kg

