

# ZN-T95

## Body Temperature Detection Network Camera



- On-board temperature-detection algorithm
- Dual lens (Thermal + Visible Light)
- Effective pixels: 384×288
- Thermal sensitivity: <math><60\text{mk}</math> (@25C, F#=1.0, 300K, 50Hz)
- Thermal: 9.1mm fixed lens
- Visible: 8mm fixed lens
- Accuracy:  $\pm 0.3^{\circ}\text{C}$  (must be used with a blackbody)
- Object detection (up to 22 targets)
- Response time:  $\leq 50\text{ms}$
- 3 color palettes

### Specifications

Thermal Camera		Visible Lens	
Thermal Detector	Uncooled IRFPA Microbolometer	Image Sensor	1/2.8" Sony CMOS
Effective Pixels	384(H) * 288(V)	Effective Resolution	1920(H) * 1080(V)
Pixel Size	17um	Shutter Speed	1/50 ~ 1/64,000s
Thermal Sensitivity (NETD)	<math><60\text{mk}</math> (@25C, F#=1.0, 300K, 50Hz)	Wide Dynamic Range	True WDR 120dB
Spectral Range	8 ~ 14um	Min. Illumination	Color: 0.1Lux @(F1.2, AGC ON) B/W: 0.01Lux @(F1.2, AGC ON)
Image Setting	Polarity LUT / DVE / Mirror / FCC / 3D DNR Brightness / Contrast / ROI	S / N Ratio	More than 55dB
Color Mode	Black-Heat / White-Heat / Rainbow	Focal Length	8mm
Thermal Lens		Max Aperture	F1.4
Lens Type	Fixed	FOV	105° ~ 32°
Focus Control	Manual	Focus Control	Manual
Focal Length	9.1mm		
Iris	F1.2		
FOV	H: 39°, V: 30°		

Video and Audio	
Compression	H.265, H.264
Frame Rate	<b>NTSC</b> main stream: 1920X1080@30fps sub-stream: D1@30fps  <b>PAL</b> main stream: 1920X1080@25fps sub-stream: D1@25fps
Bit Rate Control	CBR / VBR
Bit Rate	Visible: main stream: 16Kbps-8Mbps sub-stream: 16Kbps-8Mbps
Region of Interest	Off / On (4 rectangular zones)
Digital Zoom	16x
Mirror	Support
Defog	Support
Motion Detection	Support
Privacy Masking	Off / On (4 rectangular areas)
DVE Image Enhancer	Support
Audio Compression	G.711, AMR, RAW_PCM (Optional)
Intelligence	
Alarm	Motion Detection, Disk Alarm, I/O Alarm, Temperature Alarm
Temperature Detection	
Detection Mode	Body temperature monitoring
Detection Preset	Max.22 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	30°C ~ 45°C (86°F ~ 113°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	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	8 Users
Web Viewer	<IE11, Chrome, Firefox
Web Language	English, Chinese
Interface	
Ethernet	1 Ethernet (10 / 100 Base-T) RJ-45 Connector
Audio	Built-in Speaker
Alarm	2ch Alarm-In, 2ch Alarm-Out
RS485	Support
BNC Output	N/A
General	
Power Supply	DC12V / POE (IEEE 802.3af)
Power Consumption	Max 10W
Operating Temperature	-20°C ~ 50°C (-4°F ~ 122°F)
Storage Conditions	0 ~ 90% RH
Certifications	CE
Ingress Protection	IP65
Casing	Metal
Dimensions (L*W*H)	315.15 * 48.44 * 71.26 (mm)
Net Weight	2.6kg

## Portable Blackbody for ZN-T95



### Black Body

Temperature Range	5°C ~ 100°C (41°F ~ 212°F)
Emissive Area	100 * 80 (mm)
Temperature Detected Resolution	0.1°C
Accuracy	±0.2°C (@36°C)
Stability	±(0.1~0.3°C)/60min
Emissivity	0.97±0.02
Power Supply	AC100 ~ 240V/260W
Working Temperature/Humidity	0°C ~ 40°C / ≤80%RH
Dimensions (L*W*H)	195 * 150 * 110 (mm)
Weight	1kg

### Dimensions (mm)

