

# CP-NNC-T451-T

## Body Temperature Detection Network Camera

- 1/2.8" 2MP PS CMOS Image Sensor - Visible Camera
- On-board temp-detection algorithm
- Thermal Sensitivity <40mK
- H.265, H.264, MJPEG dual-stream encoding
- Body detection, up to 30 Targets
- Thermal: 8mm Fixed lens, Visible: 2.7-12mm motorized lens
- Accuracy <0.3°C
- Response Time <30ms
- 17 Color Control



### System Overview

The Thermal network solution with body temperature detection and face-recognition by CP PLUS has numerous advantages as it provides you detailed thermal images of the situation and presents clear images of varied details such as the detection of missing or defective insulation, locates water infiltration in flat roofs, detects construction failures, heated-up areas, etc.

### Functions

#### Life Made Easier

The thermal network camera with body temperature detection and face-recognition enables you to identify the problems before they occur. Henceforth, it helps you in preventing the damage from being caused.



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#### Wide Dynamic Range (WDR)

When a scene is partly dark and partly bright, that is the dynamic range that distorts images due to this difference in the lighting. WDR technology provides you balanced lighting for a clear and vivid image throughout the day. WDR technology can be installed at entry/exit points of any building structure, jewellery shops, outdoor location among so many other places.

#### Effective Screening

This thermal screening camera entails the analytical process along the line of smart body detection, perimeter, single as well as double virtual fences, object left, object removed. All of which results in savings of valuable time and money.

#### Instant Alerts

It notifies you on what exactly it is that needs to be fixed and assists you in finding faults before any real problems occur.

#### Dual-lens

Another major function of this camera is the dual-lens feature that has been integrated into it, which enables this camera to measure temperatures automatically with high accuracy and also to automatically collect the portraits of those with an abnormal temperature.

#### Increased Reliability

It can detect the body temperatures of up to 30 people simultaneously with automatic recording of abnormal temperature data. It also has an optical zoom lens of 2.7 to 12 mm with various IVS functions like smart body detection, parameter, and virtual fences.

#### Varied Applications

The thermal imaging camera has proven to be very useful as its applications vary from electricity maintenance and solar maintenance to construction and temperature measurement as well as plumbing and fire fighting.

## About CP PLUS

The brand that is on its way to lead the world when it comes to the security and surveillance industry, CP PLUS, keeps bombarding the market with the most reliable range of products that have been designed carefully and methodically to automate the whole surveillance and security process, no matter how big your premises are.

It was the initiative to help the public in the area where they are the most vulnerable and to empower the sense of safety in our hearts that had conceptualized CP PLUS. And embarking on its mission to make the world a safer and more secure place has taken the brand's journey to unprecedented levels even when compared to international competitors.



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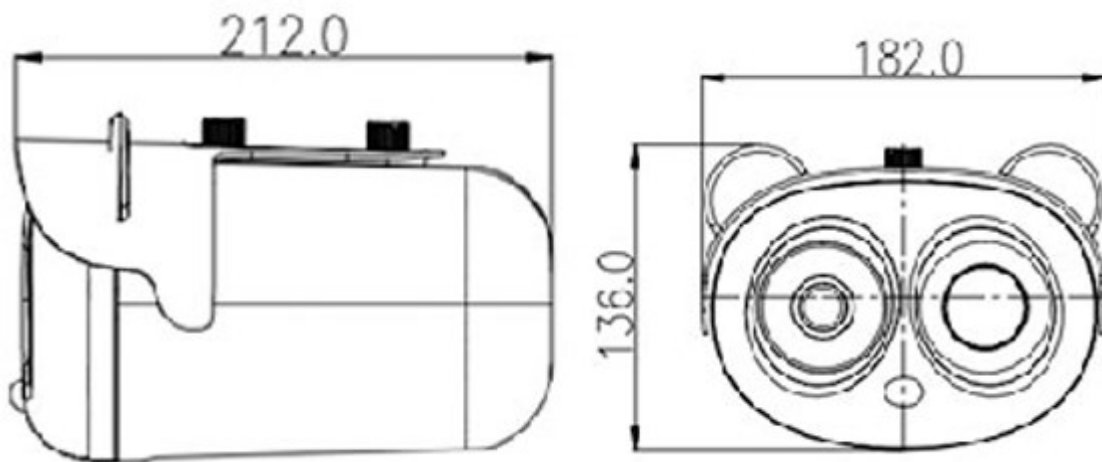
## Body Temperature Detection Network Camera

Feature	Specification
Image Sensor	1/2.8" Sony CMOS- Visible camera
Effective Pixels	1920(H)×1080(V) - Visible , 400(H) ×300(V) - Thermal
Minimum Illumination	Color: 0.01Lux @(F1.2, AGC ON) B/W: 0.001Lux @(F1.2, AGC ON)
Spectral Range	8~14um
Thermal Sensitivity (NETD)	40mK @F1.0, 300K
Detector Type	Uncooled IRFPA Microbolometer
Pixel Size	17um
S/N Ratio	More than 55dB
Max Aperture	F1.6~ F2.9
Shutter Speed	1/5 ~ 1/20,000s
Color Palettes	Black-Heat /White-Heat/Rainbow/Iron-Red up to 17 modes
Image Setting	Polarity LUT/ DVE/ Mirror/ FCC/ /3D DNR Brightness/Contrast/ ROI
White Balance	Auto/Manual
Lens	2.7mm~12mm Motorized - Visible , 8mm - Thermal Lens
Gain Control (AGC)	Auto/Manual
Angle of View	105°~ 32° - Visible , H: 46°, V:35.3° - Thermal
Back Light Compensation	Auto /Manual/ True WDR(120dB)
Video Compression	H.265, H.264, MJPEG
Video Streaming	Main Stream: Thermal: D1 @25/30fps Visible: 1920×1080/1280×720@25/30fps, Sub Stream: Thermal: CIF @25/30fps Visible: D1/VGA@25/30fps
Digital Zoom	16x
Motion detection	Support
Privacy Mask	Off / On (4 Area, Rectangle)
ROI	Off / On (8 Zone, Rectangle)
Mirror	Support
Defog	Support

Feature	Specification
Audio Input	1 Ch.
Audio Output	1 Ch.
Audio Compression	G.711, AMR, RAW_PCM (Optional)
Alarm IN	2 channel In
Alarm Out	2 channel Out
Detection Mode	Body temperature monitoring
DVE Image Enhance	Support
Detection Preset	Max 30 goals
Intelligent Functions	Motion detection, Disk alarm, I/O alarm, Temperature alarm
Temperature Alarm	Over temperature alarm, Temperature difference alarm
Response Time	≤30ms
Bit Rate Control	Main Stream: Thermal: 100Kbps~6Mbps, Visible: 200Kbps~12Mbps Sub Stream: Thermal: 10Kbps~1.5Mbps Visible: 10Kbps~6Mbps
Accuracy	≤ 0.3°C (Emission rate, distance, ambient temperature, etc.) with blackbody. ±0.5°C (Without Blackbody). Detection Distance: 3~5m (4m recommended) Working Environment: Avoid the interference of wind, sunshine, high temperature and reflective objects, indoor is recommended
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)
Theory of Temperature Measurement Range	-20 °C ~ 60 °C (-4°F ~ 140°F)
Protocol	IPv4/IPv6 ,HTTP,RTSP/RTP/RTCP, TCP/UDP, DHCP, DNS, PPPOE, SMTP, SIP ,802.1x, ONVIF, CGI, SDK
Smart Detection	Smart Body Detection, Perimeter ,Single Virtual Fences ,Double Virtual Fences ,Object Left ,Object Removed
Ethernet	1 Ethernet (10/100 Base-T) RJ-45 Connector
User Account	10 Users
Smart Phone	iPhone, iPad, Android Phone
Reset Button	Support (Built-in)
RS485	Support

Feature	Specification
Operating Temperature	-30°C~60°C(-22°F~140°F) , 0~ 90% RH
Power Source	DC12V/PoE (IEEE 802.3af)
Power Consumption	Max 10W
Weatherproof Standard	IP66
Dimension	212×182×136mm
Casing	Metal
Weight	2Kg

Dimensions (mm/inch)





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## Camera Accessories

CP-NA-BB70 - Black Body



CP-NA-B1 - Ceiling Mount Bracket



CP-NA-B1A - Ceiling Mount Bracket



CP-NA-B1WA - Wall Mount Bracket



CP-NA-T1B - Tripod

