



# SNTPC4207KTF

**Thermal Imaging Network Bullet Camera** 



### **Key Features**

- VOx uncooled focal plane detector with 384×288 resolution
- NETD ≤ 40mK
- 9/15/25/35/50mm fixed lens optional
- Supports human and vehicle detection, as well as smoking and fire point detection.
- Intelligent Analytics: intrusion, single line crossing, double line crossing, loitering, wrong-way detection, enter area, leave area, and people counting.
- Support 3 temperature measurement rule types (spot, line, area)
- Temperature range: -20°C to 150°C or 0°C to 550°C, Accuracy:  $\pm 2$ °C /  $\pm 2$ %
- Built-in mic and speaker, support two-way audio
- Support 12VDC/24VAC/PoE power supply
- NDAA Compliance, IP66





## Specification

Thermal Module	
Image Sensor	Vanadium Oxide Uncooled Focal Plane Arrays
Resolution	Sensor is 384×288. Image can be scaled up to 1280×720
Pixel Pitch	17 μm
NETD	≤ 40mK
Spectral Range	8 to 14 μm
Focus Control	Fixed lens (Focus-Free)
Focal Length	9 mm, 15 mm, 25 mm, 35 mm, 50 mm
Aperture	F1.0
Field of View (FOV)	9 mm, H: 37°, V: 28° 15 mm, H: 28°, V: 21° 25 mm, H: 14°, V: 11° 35 mm, H: 10°, V: 8° 50 mm, H: 7.4°, V: 5.6°
Intelligent Analytics	
Smart Detection	Human and Vehicle detection, Fire point detection, and Smoking detection.
Intelligent Analysis	Intrusion, Single line crossing, Double line crossing, Loitering, Wrong-way, Enter area, and Leave area (these functions support accurate detection of human / vehicles)
People counting	Support
Thermal Function	
Temperature Range	-20°C to 150°C (-4°F to 302°F) or 0°C to 550°C (32°F to 1022°F)
Accuracy	±2°C/±2%
Temperature Detection	3 temperature measurement rule types, 20 rules in total, 1 full screen, 19 others (spot, areas, line).
Temperature Alarm	Temperature difference alarm, Threshold alarm, Temperature rise alarm
Temperature Display	Display in the lower left corner; follow the cursor display of the highest temperature, lowest temperature or average temperature
Response Time	≤ 30ms
Video and Audio	
Main Stream	1280×720, 704×576, 384×288 @25fps
Sub Stream	704×576, 384×288, 352×240 @25fps
Bit Rate Control	CBR/VBR
Bit Rate	Main stream: 100 Kbps to 8 Mbps, Sub stream: 100 Kbps to 6 Mbps
Region of Interest	Off/On (8 Zone, Rectangle)

Image  Image Setting Brightness, Contrast, Sharpness  Mirror Horizontal / Vertical / Horizontal + Vertical  Pseudo-color Setting Up to 17 colors (White-hot / Black-hot / Rainbow / Iron red / HSV / Bone / Cool / Copper / Fire-hot / Pink / Spring / Summer / Autumn / Winter / Jet / Hame / Rose-Bengal)  FFC Control Aut / Manual  Noise Reduction 2D/3D DNR  OSD Up to 8 OSD  Privacy Masking Up to 4 areas  Event  Alarm Triggers NS, Temperature anomaly, Motion detection, Alarm Input, Disk alarm, Network slarm, Abnormal sound detection  Alarm Triggers Protocols Alarm record, Alarm output, FTP upload, SMTP upload, Audible alarm output  Network  Protocols IPv4/IPv6, HTTP/HTTPS, DNS, DDNS, DHCP, PPPDE, RTSP / RTCP/RTP, TCP/UDP, NTP, ARP, UPPP, FTP, SMTP, OGS, ICMP, IGMP, SMTP, 802.1x, SNMP, Multicast interoperability ONVIF (Profile S/T/G/M), SDK, CGI  Max Concurrent Streams 10 channels  User/Host Level 32+ users, 3 levels: Administrator, Operator, Media user  Security IP address filter, HTTPS, Illogal login lock, IEEE 802.1x  Web Viewer ells1, Chrome, Firefox, Microsoft Edge  Interface  Network Interface 1 Ethernet (10/100 Base-T) RI-45 Connector  Built-in Microphone Support  Built-in Speaker Support  Audio Interface 1ch Audio In, 1ch Audio Out  Alarm Interface 1ch Audio In, 2ch Alarm Out  BNC Interface 1ch (ICVBS output)  Control Interface 1ch (ICVBS output)  Control Interface 1ch RS-485  SD Card Slot Built-in, up to 1 TB  Reset Button	Audio Compression	G.711 A-law, G.711 μ-law, PCM
Image Setting Brightness, Contrast, Sharpness  Mirror Horizontal / Vertical / Horizontal + Vertical  Pseudo-color Setting Summer / Autumn / Winter / Jet / Flame / Rose - Bengal)  FFC Control Auto / Manual  Noise Reduction 2D/3D DNR  OSD Up to 8 OSD  Privacy Masking Up to 4 areas  Event  Alarm Triggers IVS, Temperature anomaly, Motion detection, Alarm Input, Disk alarm, Network alarm, Abnormal sound detection  Alarm Triggers IVS, Temperature anomaly, Motion detection, Alarm Input, Disk alarm, Network alarm, Abnormal sound detection  Alarm Triggers IPS, Temperature anomaly, Motion detection, Alarm Input, Disk alarm, Network alarm, Abnormal sound detection  Alarm Triggers IPS, Temperature anomaly, Motion detection, Alarm Input, Disk alarm, Network alarm, Abnormal sound detection  Network  Protocols Alarm record, Alarm output, FTP upload, SMTP upload, Audible alarm output  Network  Network  Network  IPV4/IPV6, HTTP/HTTPS, DNS, DDNS, DHCP, PPP0E, RTSP/RTCP/RTP, TCP/UDP, NTP, ARP, UPnP, FTP, SMTP, Cog, ICMP, IGMP, SMTP, 802.1x, SMMP, Multicast  Interoperability ONVIF (Profile S/T/G/M), SDK, CGI  Max Concurrent Streams 10 channels  User/Host Level 32+ users, 3 levels: Administrator, Operator, Media user  Security IP address filter, HTTPS, Illegal login lock, IEEE 802.1x  Web Viewer IP address filter, HTTPS, Illegal login lock, IEEE 802.1x  Web Viewer III, Chrome, Firefox, Microsoft Edge  Interface  Interface 1 Ethernet (10/100 Base-T) RI-45 Connector  Built-in Microphone Support  Audio Interface 1 ch Audio In, 1ch Audio Out  Alarm Interface 2 ch Alarm In, 2ch Alarm Out  BNC Interface 1 ch RS-485  SD Card Slot Built-in, up to 1 TB	Audio Bit Rate	64 Kbps (G.711), 128 Kbps (PCM)
Mirror Horizontal / Vertical / Horizontal + Vertical  Pseudo-color Setting Up to 17 colors (White-hot / Black-hot / Rainbow / Iron red / HSV /Bone / Cool / Copper / Fire-hot / Pink / Spring / Summer / Autumn / Winter / Jet / Flame / Rose -Bengal)  FFC Control Auto / Manual  Noise Reduction 2D/3D DNR  OSD Up to 8 OSD  Privacy Masking Up to 4 areas  Event  Alarm Triggers IVS, Temperature anomaly, Motion detection, Alarm Input, Disk alarm, Network alarm, Abnormal sound detection  Event Actions Alarm record, Alarm output, FTP upload, SMTP upload, Audible alarm output  Network  Protocols IP-4/IP-6, HTTP/HTTPS, DNS, DDNS, DHCP, PPPGE, RTSP/RTCP/RTP, TCP/UDP, NTP, ARP, UPnP, FTP, SMTP, QoS, ICMP, IGMP, SMTP, 802.1x, SNMP, Multicast  Interoperability OnVire (Profile S/T/G/M), SDK, CGI  Max Concurrent Streams 10 channels  User/Host Level 32+ users, 3 levels: Administrator, Operator, Media user  Security IP address filter, HTTPS, Illegal login lock, IEEE 802.1x  Web Viewer <a href="Ith-Incomplete">Ithernace</a> I Ethernet (10/100 Base-T) RJ-45 Connector  Built-in Microphone Support  Audio Interface 1 Ethernet (10/100 Base-T) RJ-45 Connector  Built-in Speaker Support  Audio Interface 2ch Alarm In, 2ch Alarm Out  BNC Interface 1ch RS-485  SD Card Slot Built-in, up to 1 TB	Image	
Pseudo-color Setting Up to 17 colors (White-hot / Black-hot / Rainbow / Iron red / HSV /Bone / Cool / Copper / Fire-hot / Pink / Spring / Summer / Autumn / Winter / Jet / Flame / Rose -Bengal)  FFC Control Auto / Manual  Noise Reduction 2D/3D DNR  OSD Up to 8 OSD  Privacy Masking Up to 4 areas  Event  Alarm Triggers IVS, Temperature anomaly, Motion detection, Alarm Input, Disk alarm, Network alarm, Abnormal sound detection  Event Actions Alarm record, Alarm output, FTP upload, SMTP upload, Audible alarm output  Network  Protocols IPV4/IPV6, HTTP/HTTPS, DNS, DDNS, DHCP, PPPOE, RTSP/ RTCP/RTP, TCP/UDP, NTP, ARP, UPnP, FTP, SMTP, QoS, ICMP, IGMP, SMTP, 802.1x, SNMP, Multicast  Interoperability ONVIF (Profile S/T/G/M), SDK, CGI  Max Concurrent Streams 10 channels  User/Host Level 32+ users, 3 levels: Administrator, Operator, Media user  Security IP address filter, HTTPS, Illegal login lock, IEEE 802.1x  Web Viewer <a href="Ith-Income, Firefox, Microsoft Edge">Interface</a> Interface  Network Interface 1 Ethernet (10/100 Base-T) RJ-45 Connector  Built-in Microphone Support  Audio Interface 1ch Audio In, 1ch Audio Out  Alarm Interface 1ch Audio In, 1ch Audio Out  Alarm Interface 1ch RS-485  SD Card Slot Built-in, up to 1 TB	Image Setting	Brightness, Contrast, Sharpness
Spring / Summer / Autumn / Winter / Jet / Flame / Rose - Bengal)  FFC Control Auto / Manual  Noise Reduction 2D/3D DNR  OSD Up to 8 OSD  Privacy Masking Up to 4 areas  Event  Alarm Triggers IVS, Temperature anomaly, Motion detection, Alarm Input, Disk alarm, Network alarm, Abnormal sound detection  Event Actions Alarm record, Alarm output, FTP upload, SMTP upload, Audible alarm output  Network  Protocols IPV4/IPv6, HTTP/HTTPS, DNS, DDNS, DHCP, PPPDE, RTSP/ RTCP/RTP, TCP/UDP, NTP, ARP, UPnP, FTP, SMTP, QoS, ICMP, IGMP, SMTP, 802.1x, SNMPP, Multicast  Interoperability ONVIF (Profile S/T/G/M), SDK, CGI  Max Concurrent Streams 10 channels  User/Host Level 32+ users, 3 levels: Administrator, Operator, Media user  Security IP address filter, HTTPS, Illegal login lock, IEEE 802.1x  Web Viewer <a href="#">IEEE 11</a> , Chrome, Firefox, Microsoft Edge  Interface  Network interface 1 Ethernet (10/100 Base-T) RJ-45 Connector  Built-in Microphone Support  Audio Interface 1 ch Audio In, 1ch Audio Out  Alarm Interface 2 ch Alarm In, 2ch Alarm Out  BNC Interface 1 ch (CVBS output)  Control Interface 1 ch RS-485  SD Card Slot Built-in, up to 1 TB	Mirror	Horizontal / Vertical / Horizontal + Vertical
Noise Reduction 2D/3D DNR  OSD Up to 8 OSD  Privacy Masking Up to 4 areas  Event  Alarm Triggers IVS, Temperature anomaly, Motion detection, Alarm Input, Disk alarm, Network alarm, Abnormal sound detection Event Actions Alarm record, Alarm output, FTP upload, SMTP upload, Audible alarm output  Network  Protocols IPv4/IPv6, HTTP/HTTPS, DNS, DDNS, DHCP, PPPDE, RTSP/ RTCP/RTP, TCP/UDP, NTP, ARP, UPnP, FTP, SMTP, QoS, ICMP, IGMP, SMTP, 802.1x, SNMP, Multicast Interoperability ONVIF (Profile S/T/G/M), SDK, CGI  Max Concurrent Streams 10 channels  User/Host Level 32+ users, 3 levels: Administrator, Operator, Media user  Security IP address filter, HTTPS, Illegal login lock, IEEE 802.1x  Web Viewer <ie11, (10="" (cvbs="" 1="" 100="" 1ch="" 2="" 2ch="" alarm="" audio="" base-t)="" bnc="" built-in="" built-in,="" card="" ch="" chrome,="" connector="" control="" edge="" ethernet="" firefox,="" in,="" interface="" microphone="" microsoft="" network="" out="" output)="" rj-45="" rs-485="" sd="" slot="" support="" tb<="" td="" to="" up=""><td>Pseudo-color Setting</td><td></td></ie11,>	Pseudo-color Setting	
Privacy Masking Up to 4 areas  Event  Alarm Triggers IVS, Temperature anomaly, Motion detection, Alarm Input, Disk alarm, Network alarm, Abnormal sound detections Event Actions Alarm record, Alarm output, FTP upload, SMTP upload, Audible alarm output  Network  Protocols IPv4/IPv6, HTTP/HTTPS, DNS, DDNS, DHCP, PPDGE, RTSP/RTCP/RTP, TCP/UDP, NTP, ARP, UPnP, FTP, SMTP, QOS, ICMP, IGMP, SMTP, 802.1x, SNMP, Multicast Interoperability ONVIF (Profile S/T/G/M), SDK, CGI  Max Concurrent Streams 10 channels User/Host Level 32+ users, 3 levels: Administrator, Operator, Media user  Security IP address filter, HTTPS, Illegal login lock, IEEE 802.1x  Web Viewer <iei1, (10="" (cvbs="" 1="" 100="" 1ch="" alarm="" audio="" base-t)="" built-in="" built-in,="" card="" ch="" chrome,="" connector="" control="" edge="" ethernet="" firefox,="" in,="" interface="" microphone="" microsoft="" network="" out="" output)="" ri-45="" rs-485="" sd="" slot="" support="" tb<="" td="" to="" up=""><td>FFC Control</td><td>Auto / Manual</td></iei1,>	FFC Control	Auto / Manual
Event  Alarm Triggers   IVS, Temperature anomaly, Motion detection, Alarm Input, Disk alarm, Network alarm, Abnormal sound detection  Event Actions   Alarm record, Alarm output, FTP upload, SMTP upload, Audible alarm output  Network   IPV4/IPV6, HTTP/HTTPS, DNS, DDNS, DHCP, PPP06, RTSP/ RTCP/RTP, TCP/UDP, NTP, ARP, UPnP, FTP, SMTP, QoS, ICMP, IGMP, SMTP, 802.1x, SNMP, Multicast   Interoperability   ONVIF (Profile S/T/G/M), SDK, CGI    Max Concurrent Streams   10 channels   User/Host Level   32+ users, 3 levels: Administrator, Operator, Media user   Security   IP address filter, HTTPS, Illegal login lock, IEEE 802.1x   Web Viewer   <ie11, (10="" (cvbs="" 1="" 100="" 1ch="" 2ch="" alarm="" audio="" base-t)="" bnc="" built-in="" built-in,="" card="" chrome,="" connector="" control="" edge="" ethernet="" firefox,="" in,="" interface="" microphone="" microsoft="" network="" out="" output)="" rj-45="" rs-485="" sd="" slot="" support="" tb<="" td="" to="" up=""  =""><td>Noise Reduction</td><td>2D/3D DNR</td></ie11,>	Noise Reduction	2D/3D DNR
Event Alarm Triggers  IVS, Temperature anomaly, Motion detection, Alarm Input, Disk alarm, Network alarm, Abnormal sound detection  Event Actions  Alarm record, Alarm output, FTP upload, SMTP upload, Audible alarm output  Network  Protocols  IPV4/IPV6, HTTP/HTTPS, DNS, DDNS, DHCP, PPP0E, RTSP/RTCP/RTP, TCP/UDP, NTP, ARP, UPnP, FTP, SMTP, QoS, ICMP, IGMP, SMTP, 802.1x, SNMP, Multicast Interoperability  ONVIF (Profile S/T/G/M), SDK, CGI  Max Concurrent Streams  10 channels  User/Host Level  32+ users, 3 levels: Administrator, Operator, Media user  Security  IP address filter, HTTPS, Illegal login lock, IEEE 802.1x  Web Viewer  «IE11, Chrome, Firefox, Microsoft Edge  Interface  Network Interface  1 Ethernet (10/100 Base-T) RJ-45 Connector  Built-in Microphone  Support  Audio Interface  1 ch Audio In, 1ch Audio Out  Alarm Interface  1 ch (CVBS output)  Control Interface  1 ch RS-485  SD Card Slot  Built-in, up to 1 TB	OSD	Up to 8 OSD
Alarm Triggers   IVS, Temperature anomaly, Motion detection, Alarm Input, Disk alarm, Network alarm, Abnormal sound detection  Event Actions   Alarm record, Alarm output, FTP upload, SMTP upload, Audible alarm output  Network   IPv4/IPv6, HTTP/HTTPS, DNS, DDNS, DHCP, PPPOE, RTSP/RTCP/RTP, TCP/UDP, NTP, ARP, UPnP, FTP, SMTP, QoS, ICMP, IGMP, SMTP, 802.1x, SNMP, Multicast  Interoperability   ONVIF (Profile S/T/G/M), SDK, CGI  Max Concurrent Streams   10 channels    User/Host Level   32* users, 3 levels: Administrator, Operator, Media user    Security   IP address filter, HTTPS, Illegal login lock, IEEE 802.1x    Web Viewer   < E11, Chrome, Firefox, Microsoft Edge    Interface    Network Interface   1 Ethernet (10/100 Base-T) RJ-45 Connector    Built-in Microphone   Support    Audio Interface   1ch Audio In, 1ch Audio Out    Alarm Interface   1ch Audio In, 2ch Alarm Out    BNC Interface   1ch RS-485    SD Card Slot   Built-in, up to 1 TB	Privacy Masking	Up to 4 areas
Adarm Inggers  detection  Alarm record, Alarm output, FTP upload, SMTP upload, Audible alarm output  Network  Protocols  IPv4/IPv6, HTTP/HTTPS, DNS, DDNS, DHCP, PPPOE, RTSP/ RTCP/RTP, TCP/UDP, NTP, ARP, UPnP, FTP, SMTP, QoS, ICMP, IGMP, SMTP, 802.1x, SNMP, Multicast  Interoperability  ONVIF (Profile S/T/G/M), SDK, CGI  Max Concurrent Streams  10 channels  User/Host Level  32+ users, 3 levels: Administrator, Operator, Media user  Security  IP address filter, HTTPS, Illegal login lock, IEEE 802.1x  Web Viewer <ie11, (10="" (cvbs="" 1="" 100="" 1ch="" 2ch="" alarm="" audio="" base-t)="" bnc="" built-in="" built-in,="" card="" chrome,="" connector="" control="" edge="" ethernet="" firefox,="" in,="" interface="" microphone="" microsoft="" network="" out="" output)="" rj-45="" rs-485="" sd="" slot="" support="" tb<="" td="" to="" up=""><td>Event</td><td></td></ie11,>	Event	
Protocols   IPV4/IPV6, HTTP/HTTPS, DNS, DDNS, DHCP, PPPOE, RTSP/RTCP/RTP, TCP/UDP, NTP, ARP, UPnP, FTP, SMTP, QoS, ICMP, IGMP, SMTP, 802.1x, SNMP, Multicast   Interoperability   ONVIF (Profile S/T/G/M), SDK, CGI   Max Concurrent Streams   10 channels   User/Host Level   32+ users, 3 levels: Administrator, Operator, Media user   Security   IP address filter, HTTPS, Illegal login lock, IEEE 802.1x   Web Viewer   <ie11, (10="" (cvbs="" 1="" 100="" 1ch="" 2ch="" alarm="" audio="" base-t)="" bnc="" built-in="" built-in,="" card="" chrome,="" connector="" control="" edge="" ethernet="" firefox,="" in,="" interface="" microphone="" microsoft="" network="" out="" output)="" rj-45="" rs-485="" sd="" slot="" speaker="" support="" tb<="" td="" to="" up=""  =""><td>Alarm Triggers</td><td></td></ie11,>	Alarm Triggers	
Protocols  IPv4/IPv6, HTTP/HTTPS, DNS, DDNS, DHCP, PPPOE, RTSP/RTCP/RTP, TCP/UDP, NTP, ARP, UPnP, FTP, SMTP, QoS, ICMP, IGMP, SMTP, 802.1x, SNMP, Multicast  Interoperability  ONVIF (Profile S/T/G/M), SDK, CGI  Max Concurrent Streams  10 channels  User/Host Level  32+ users, 3 levels: Administrator, Operator, Media user  Security  IP address filter, HTTPS, Illegal login lock, IEEE 802.1x  Web Viewer  «IE11, Chrome, Firefox, Microsoft Edge  Interface  Network Interface  1 Ethernet (10/100 Base-T) RJ-45 Connector  Built-in Microphone  Support  Built-in Speaker  Audio Interface  1ch Audio In, 1ch Audio Out  Alarm Interface  1ch (CVBS output)  Control Interface  1ch RS-485  SD Card Slot  Built-in, up to 1 TB	Event Actions	Alarm record, Alarm output, FTP upload, SMTP upload, Audible alarm output
Interoperability ONVIF (Profile S/T/G/M), SDK, CGI  Max Concurrent Streams 10 channels User/Host Level 32+ users, 3 levels: Administrator, Operator, Media user Security IP address filter, HTTPS, Illegal login lock, IEEE 802.1x Web Viewer <iei1, (10="" 1="" 100="" 1ch="" 2="" 2ch="" alarm="" audio="" base-t)="" bnc="" built-in="" built-in,="" card="" ch="" chrome,="" connector="" edge="" ethernet="" firefox,="" in,="" interface="" microphone="" microsoft="" network="" out="" rj-45="" rs-485="" sd="" slot="" speaker="" support="" tb<="" td="" to="" up=""><td>Network</td><td></td></iei1,>	Network	
Max Concurrent Streams 10 channels  User/Host Level 32+ users, 3 levels: Administrator, Operator, Media user  Security IP address filter, HTTPS, Illegal login lock, IEEE 802.1x  Web Viewer < IEE11, Chrome, Firefox, Microsoft Edge  Interface  Network Interface 1 Ethernet (10/100 Base-T) RJ-45 Connector  Built-in Microphone Support  Built-in Speaker Support  Audio Interface 1 ch Audio In, 1ch Audio Out  Alarm Interface 2 ch Alarm In, 2ch Alarm Out  BNC Interface 1 ch (CVBS output)  Control Interface 1 ch RS-485  SD Card Slot Built-in, up to 1 TB	Protocols	
User/Host Level 32+ users, 3 levels: Administrator, Operator, Media user  Security IP address filter, HTTPS, Illegal login lock, IEEE 802.1x  Web Viewer < IE11, Chrome, Firefox, Microsoft Edge  Interface  Network Interface 1 Ethernet (10/100 Base-T) RJ-45 Connector  Built-in Microphone Support  Built-in Speaker Support  Audio Interface 1 ch Audio In, 1ch Audio Out  Alarm Interface 2 ch Alarm In, 2ch Alarm Out  BNC Interface 1 ch (CVBS output)  Control Interface 1 ch RS-485  SD Card Slot Built-in, up to 1 TB	Interoperability	ONVIF (Profile S/T/G/M), SDK, CGI
Security IP address filter, HTTPS, Illegal login lock, IEEE 802.1x  Web Viewer < <ie11, (10="" (cvbs="" 1="" 100="" 1ch="" 2ch="" alarm="" audio="" base-t)="" bnc="" built-in="" built-in,="" card="" chrome,="" connector="" control="" edge="" ethernet="" firefox,="" in,="" interface="" microphone="" microsoft="" network="" out="" output)="" rj-45="" rs-485="" sd="" slot="" speaker="" support="" tb<="" td="" to="" up=""><td>Max Concurrent Streams</td><td>10 channels</td></ie11,>	Max Concurrent Streams	10 channels
Web Viewer <a href="#"><ie11, a="" chrome,="" edge<="" firefox,="" microsoft="">  Interface  Network Interface</ie11,></a>	User/Host Level	32+ users, 3 levels: Administrator, Operator, Media user
Interface  Network Interface  1 Ethernet (10/100 Base-T) RJ-45 Connector  Built-in Microphone  Support  Built-in Speaker  Support  Audio Interface  1ch Audio In, 1ch Audio Out  Alarm Interface  2ch Alarm In, 2ch Alarm Out  BNC Interface  1ch (CVBS output)  Control Interface  1ch RS-485  SD Card Slot  Built-in, up to 1 TB	Security	IP address filter, HTTPS, Illegal login lock, IEEE 802.1x
Network Interface       1 Ethernet (10/100 Base-T) RJ-45 Connector         Built-in Microphone       Support         Built-in Speaker       Support         Audio Interface       1ch Audio In, 1ch Audio Out         Alarm Interface       2ch Alarm In, 2ch Alarm Out         BNC Interface       1ch (CVBS output)         Control Interface       1ch RS-485         SD Card Slot       Built-in, up to 1 TB	Web Viewer	<ie11, chrome,="" edge<="" firefox,="" microsoft="" td=""></ie11,>
Built-in Microphone Support  Built-in Speaker Support  Audio Interface 1ch Audio In, 1ch Audio Out  Alarm Interface 2ch Alarm In, 2ch Alarm Out  BNC Interface 1ch (CVBS output)  Control Interface 1ch RS-485  SD Card Slot Built-in, up to 1 TB	Interface	
Built-in Speaker Support  Audio Interface 1ch Audio In, 1ch Audio Out  Alarm Interface 2ch Alarm In, 2ch Alarm Out  BNC Interface 1ch (CVBS output)  Control Interface 1ch RS-485  SD Card Slot Built-in, up to 1 TB	Network Interface	1 Ethernet (10/100 Base-T) RJ-45 Connector
Audio Interface 1ch Audio In, 1ch Audio Out  Alarm Interface 2ch Alarm In, 2ch Alarm Out  BNC Interface 1ch (CVBS output)  Control Interface 1ch RS-485  SD Card Slot Built-in, up to 1 TB	Built-in Microphone	Support
Alarm Interface 2ch Alarm In, 2ch Alarm Out  BNC Interface 1ch (CVBS output)  Control Interface 1ch RS-485  SD Card Slot Built-in, up to 1 TB	Built-in Speaker	Support
BNC Interface 1ch (CVBS output)  Control Interface 1ch RS-485  SD Card Slot Built-in, up to 1 TB	Audio Interface	1ch Audio In, 1ch Audio Out
Control Interface 1ch RS-485  SD Card Slot Built-in, up to 1 TB	Alarm Interface	2ch Alarm In, 2ch Alarm Out
SD Card Slot Built-in, up to 1 TB	BNC Interface	1ch (CVBS output)
	Control Interface	1ch RS-485
Reset Button Support	SD Card Slot	Built-in, up to 1 TB
	Reset Button	Support

General					
Language	English, Chinese, Traditional Chinese, Polish, Italian, Portuguese, Spanish, Russian, French, Czech, Hungarian, Japanese, Korean. Default: English				
Power Supply	12 VDC / 24 VAC / PoE (802.3af)				
Power Consumption	Max 4.5 W				
Working Temperature/Humidity	-40°C to 60°C (-40°F to 140°F), Humidity: ≤90% RH (non-condensing)				
Operating Humidity	0 to 90% RH				
Certifications	CE-EMC - EN 55032, EN IEC 61000-6-4, EN IEC 61000-3-2, EN 61000-3-3, EN 55035, EN 50130-4 FCC 47 CFR Part 15 Subpart B				
Ingress Protection	IP66				
Material	Metal				
Dimensions	φ120.5 × 315.9 ~ 352.6 mm (φ4.74" × 12.44" ~ 13.88")				
Net Weight	1.62 kg (3.57 lb) with 9mm lens				
Ordering Information					
Model	Description				
SN-TPC4207KT-F09	Focal Length: 9 mm				
SN-TPC4207KT-F15	Focal Length: 15 mm				
SN-TPC4207KT-F25	Focal Length: 25 mm				
SN-TPC4207KT-F35	Focal Length: 35 mm				
SN-TPC4207KT-F50	Focal Length: 50 mm				

## **Thermal DRI Range Table**

Note: The table is only for reference and the performance may vary according to different environment.

Note: The optimal detection, recognition, and identification distances are calculated according to Johnson's Criteria.

Detection Range: In order to distinguish an object from the background, the object must be covered by 1.5 or more pixels.

Recognition Range: In order to classify the object (animal, human, vehicle, etc.), the object must be covered by 6 or more pixels.

Identification Range: In order to identify the object and describe it in details, the object must be covered by 12 or more pixels.

DRI Distance Table					
Focal Length	9 mm	15 mm	25 mm	35 mm	50 mm
Detection Distance (Humans: 1.8×0.5m)	265 m (869.4 ft)	441 m (1,446.9 ft)	735 m (2,411.4 ft)	1,029 m (3,376.0 ft)	1,471 m (4,826.1 ft)
Detection Distance (Vehicles: 4×1.5m)	812 m (2,664 ft)	1,353 m (4,439 ft)	2,255 m (7,398.3 ft)	3,157 m (10,357.6 ft)	4,510 m (14,796.6 ft)
Recognition Distance (Humans: 1.8×0.5m)	66 m (216.5 ft)	110 m (360.9 ft)	184 m (603.7 ft)	257 m (843.2 ft)	368 m (1,207.4 ft)
Recognition Distance (Vehicles: 4×1.5m)	203 m (666 ft)	338 m (1,109 ft)	564 m (1,850.4 ft)	789 m (2,588.6 ft)	1,127 m (3,697.5 ft)
Identification Distance (Humans: 1.8×0.5m)	33 m (108.3 ft)	55 m (180.4 ft)	92 m (301.8 ft)	129 m (423.2 ft)	184 m (603.7 ft)
Identification Range (Vehicles: 4×1.5m)	101 m (331.4 ft)	169 m (554.5 ft)	282 m (925.2 ft)	395 m (1,296 ft)	564 m (1,850.4 ft)

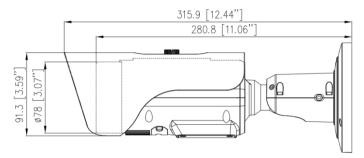
## **Thermal IVS Distance Range Table**

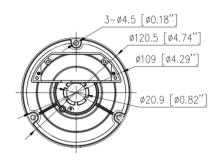
**Note**: The table is for reference only. The distances within it are subject to actual conditions including atmospheric conditions, target size, the installation site, and more.

Detection Range Table					
Focal Length	9 mm	15 mm	25 mm	35 mm	50 mm
Temperature Measurement (Object: 0.2 × 0.2m)	21 m (68.9 ft)	35 m (114.8 ft)	59 m (193.6 ft)	82 m (269 ft)	118 m (616.8 ft)
Fire Detection (Object: 1 × 1m)	265 m (869.4 ft)	441 m (1,446.9 ft)	735 m (2,411.4 ft)	1,029 m (3,376 ft)	1,471 m (4,826.1 ft)
Fire Detection (Object: 0.2 × 0.2m)	53 m (173.9 ft)	88 m (288.7 ft)	147 m (482.3 ft)	206 m (675.9 ft)	294 m (964.6 ft)

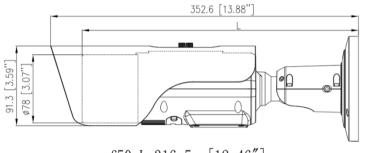
## **Dimensions (mm)**

#### F9/F15 mm Lens



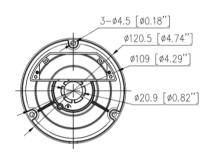


#### F25/F35/F50 mm Lens



f50 L=316.5mm[12.46"] f35 L=305.3mm[12.02"]

f25 L=296.8mm[11.69"]



## **Accessories**

#### **Optional:**



SN-CBK645G Junction Box



SN-CBK101A Pole Mount



SN-CBK102A Corner Mount