

# DS-2TD2117-6PE Thermal Network Bullet Camera















Hikvision DS-2TD2117-6PE Thermal Network Bullet Camera, equipped with built-in GPU which supports intelligent behavior analysis algorithm, can realize high-precision VCA detection and real-time alarm. It is applied to perimeter protection and fire prevention purposes in commercial facilities such as residential, retail, villa, parking lot, museum, data centers and so on. The pre-alarm system helps you discover unexpected events immediately and protects your property.

#### **Key Feature**

- Behavior analysis function, based on deep learning algorithm: line crossing, intrusion, region entrance & exit
- Temperature exception alarm for fire prevention
- Fire detection algorithm
- $160 \times 120$  resolution 17  $\mu$ m, VOx UFPA, NETD  $\leq 40$  mK (25 °C, F# = 1.1)
- Image processing technology: Liner, histogram, and self-adaptive thermal AGC mode, DDE, 3D DNR



## Specification

Resolution 160 × 120 Pixel Interval 17 µm Response Waveband 8 µm to 14 µm NETO (Noise Equivalent fermperature Difference) 50cal Length 6.2 mm FOV 2.74 mrad 70cal Length	Thermal Module	
Response Waveband 8 μm to 14 μm  Response Waveband 8 μm to 14 μm  Response Waveband 8 μm to 14 μm  Set Of MK (25 °C, F# = 1.1)  Femperature Difference)  Set Of MK (25 °C, F# = 1.1)  Femperature Difference)  Set Of MK (25 °C, F# = 1.1)  For Out 2.74 mrad  Field of View 2.75 * 18.7° (H × V)  Min. Focusing Distance 0.6 m  Aperture F1.1  Digital Zoom ×2, ×8  F1.1  Digital Zoom ×2, ×8  F1.1  AVCA rule Vyes (line crossing, intrusion, region entrance, and region exiting), up to 8 VCA rules in total.  Femperature Measurement line).  Femperature Range -20 °C to 150 °C (-4 °F to 302 °F)  Femperature Range -20 °C to 150 °C (-4 °F to 302 °F)  Femperature Accuracy ± 8 °C (14.4 °F)  Fire Detection Dynamic fire detection, up to 10 fire points detectable.  Friede & Audio  Friede & Audio  Friede & Audio  Friede Stream 2.5 fps (1280 × 720, 704 × 576, 640 × 480, 352 × 288, 320 × 240)  Friede Stream 2.5 fps (1280 × 720, 704 × 576, 352 × 288, 320 × 240)  Main Stream 2.5 fps (1280 × 720, 704 × 576, 352 × 288, 320 × 240)  Main Stream 1.265/H.264/MJPEG  Third Stream: H.265/H.264/MJPEG  Audio Compression G.711u/G.711a/G.722.1/MP2L2/G.726/PCM  Network  Frotocols IPv4/IPv6, HTTP, HTTPS, 802.1x, Qos, FTP, SMTP, UPNP, SNMP, DNS, DDNS, NTP, RTSP, RTCP, RTP, TCP, UDP, IGMP, ICMP, DHCP, PPPOE  MicrosD/SDHC/SDXC card (up to 256 G) local storage, and NAS (NFS, SMB/CIFS), autonetwork replenishment (ANR)  SAPI	Image Sensor	Vanadium Oxide Uncooled Focal Plane Arrays
Response Waveband  NETD (Noise Equivalent Ferrperature Difference)  540 mK (25 °C, F# = 1.1)  560cal Length  6.2 mm  FOV  2.74 mrad  Field of View  25° × 18.7° (H × V)  Min. Focusing Distance  O.6 m  Aperture  F 1.1  Digital Zoom  ×2, ×4, ×8  ****  ****  ****  ****  ***  ***  *	Resolution	160 × 120
Set D (Noise Equivalent femperature Difference)  5 40 mK (25 °C, F# = 1.1)  6.2 mm  6.2 mm  6.2 mm  7 cord Length  6.2 mm  8 cord C (3 mm)  9 cord Length  6.2 mm  9 cord Length  6.2 mm  9 cord Length  10 cord Length	Pixel Interval	17 μm
remperature Difference)  4 0 mK (25 °C, F# = 1.1)  6.2 mm  6.2 mm  2.74 mrad  icided of View 2.5* × 18.7* (H × V)  win. Focusing Distance 3. perture F 1.1  Digital Zoom 2.4, × 8  mage Effect  Farget Coloration  Yes. Supported in white hot and black hot mode.  Smart Function  //CA (Video Content Analysis)  //CA (Video Content Analysis)  4 VCA rule types (line crossing, intrusion, region entrance, and region exiting), up to 8 VCA rules in total.  3 temperature Measurement  line).  Femperature Measurement  2 temperature measurement rule types, 21 rules in total (10 points, 10 regions, and 1 line).  Femperature Accuracy 2 the 8 °C (14.4 °F)  Fire Detection  Dynamic fire detection, up to 10 fire points detectable.  //ideo & Audio  Wain Stream 25 fps (1280 × 720, 704 × 576, 640 × 480, 352 × 288, 320 × 240)  Wain Stream 25 fps (704 × 576, 352 × 288, 320 × 240)  Main Stream 25 fps (1280 × 720, 704 × 576, 640 × 480, 352 × 288, 320 × 240)  Main Stream 4 Sub-stream 5 Sub-stream 6 Sub-stream: H.265/H.264  Audio Compression 6 G.711u/G.711a/G.7722.1/MP2L2/G.726/PCM  Network  Protocols  IPv4/IPv6, HTTP, HTTPS, 802.1x, Qos, FTP, SMTP, UPnP, SNMP, DNS, DDNS, NTP, RTSP, RTCP, RTP, TCP, UDP, IGMP, ICMP, DHCP, PPPOE  MicroSD/SDHC/SDXC card (up to 256 G) local storage, and NAS (NFS, SMB/CIFS), auto network replenishment (ANR)  ISAPI, HIKVISION SDK, third-party management platform, ONVIF (Profile S, Profile G, API	Response Waveband	8 μm to 14 μm
remperature Difference) Foodal Length FOV 2.74 mrad FOV 2.74 mrad Field of View 25° × 18.7° (H × V)  Min. Focusing Distance 0.6 m  Aperture F 1.1 Digital Zoom x2, ×4, ×8  mage Effect  Farget Coloration Formal Function  ACA (Video Content Analysis) Formal Function  ACA (Video Content Analysis) Formal Function  Formal Function  Formal Function  ACA (Video Content Analysis) Formal Function  Formal Function  Formal Function  Formal Function  Formal Function  ACA (Video Content Analysis) Formal Function  Function  Formal Function  Functio	NETD (Noise Equivalent	< 40 mV (25 °C EH = 1.1)
FOV 2.74 mrad  25° × 18.7° (H × V)  Min. Focusing Distance 0.6 m  Aperture F 1.1  Digital Zoom ×2, ×4, ×8  mage Effect  Target Coloration Yes. Supported in white hot and black hot mode.  Smart Function  //CA (Video Content Analysis) 4 VCA rule types (line crossing, intrusion, region entrance, and region exiting), up to 8 VCA rules in total.  3 temperature measurement rule types, 21 rules in total (10 points, 10 regions, and 1 line).  Femperature Range 20° to 150° to (-4° f to 302° f)  Femperature Accuracy 18° to (14.4° f)  Fire Detection Dynamic fire detection, up to 10 fire points detectable.  //deo & Audio  Main Stream 25 fps (1280 × 720, 704 × 576, 640 × 480, 352 × 288, 320 × 240)  Audio Compression 25 fps (1280 × 720, 704 × 576, 352 × 288, 320 × 240)  Main Stream 425 fps (1280 × 720, 704 × 576, 352 × 288, 320 × 240)  Main Stream 425 fps (1280 × 720, 704 × 576, 352 × 288, 320 × 240)  Main Stream 425 fps (1280 × 720, 704 × 576, 352 × 288, 320 × 240)  Main Stream: H.265/H.264/MJPEG  Audio Compression 30°, 711u/G.711a/G.7722.1/MP2L2/G.7726/PCM  Network  Protocols Pry4/IPv6, HTTP, HTTPS, 802.1x, Qos, FTP, SMTP, UPnP, SNMP, DNS, DDNS, NTP, RTSP, RTCP, RTP, TCP, UDP, IGMP, ICMP, DHCP, PPP0E  MicroSD/SDHC/SDNC card (up to 256 G) local storage, and NAS (NFS, SMB/CIFS), auto network replenishment (ANR)  ISAPI, HIKVISION SDK, third-party management platform, ONVIF (Profile S, Profile G, API	Temperature Difference)	\$ 40 HIK (23 C, F# - 1.1)
25° x 18.7° (H × V)  Min. Focusing Distance  0.6 m  Aperture  F 1.1  Sigital Zoom  x2, x4, x8  mage Effect  Farget Coloration  Yes. Supported in white hot and black hot mode.  Smart Function  VCA (Video Content Analysis)  VCA rule types (line crossing, intrusion, region entrance, and region exiting), up to 8 VCA rules in total.  3 temperature Measurement line).  Femperature Range  -20 °C to 150 °C (-4 °F to 302 °F)  Fire Detection  Dynamic fire detection, up to 10 fire points detectable.  V/deo & Audio  Wain Stream  25 fps (1280 × 720, 704 × 576, 640 × 480, 352 × 288, 320 × 240)  Main Stream  25 fps (1280 × 720, 704 × 576, 352 × 288, 320 × 240)  Main Stream  25 fps (1280 × 720, 704 × 576, 352 × 288, 320 × 240)  Main Stream  Audio Compression  Audio Compression  Audio Compression  Audio Compression  Protocols  Prot	Focal Length	6.2 mm
Aperture F 1.1 Approximate Effect  Farget Coloration Yes. Supported in white hot and black hot mode.  Smart Function  JCA (Video Content Analysis)  A VCA rule types (line crossing, intrusion, region entrance, and region exiting), up to 8 VCA rules in total.  3 temperature Measurement line).  Femperature Measurement Pline)  Femperature Range -20 °C to 150 °C (-4 °F to 302 °F)  Femperature Accuracy ± 8 °C (14.4 °F)  Dynamic fire detection, up to 10 fire points detectable.  Journal Stream 25 fps (1280 × 720, 704 × 576, 640 × 480, 352 × 288, 320 × 240)  Sub-stream 25 fps (1280 × 720, 704 × 576, 352 × 288, 320 × 240)  April Main Stream: H.265/H.264  Sub-Stream: H.265/H.264  Sub-Stream: H.265/H.264  April Application G.711u/G.711a/G.722.1/MP2L2/G.726/PCM  Network  Protocols Previous Application of Profile S, Profile G, Applications on the Work Replenishment (ANR)  IsAPI, HIKVISION SDK, third-party management platform, ONVIF (Profile S, Profile G, Application)  SAPI, HIKVISION SDK, third-party management platform, ONVIF (Profile S, Profile G, Application)	IFOV	2.74 mrad
Aperture F 1.1 Digital Zoom ×2, ×4, ×8  mage Effect  Target Coloration Yes. Supported in white hot and black hot mode.  Smart Function  VCA (Video Content Analysis) 4 VCA rule types (line crossing, intrusion, region entrance, and region exiting), up to 8 VCA rules in total.  Temperature Measurement line).  Temperature Measurement 2 temperature measurement rule types, 21 rules in total (10 points, 10 regions, and 1 line).  Temperature Range -20 °C to 150 °C (-4 °F to 302 °F)  Temperature Accuracy ±8 °C (14.4 °F)  Dynamic fire detection, up to 10 fire points detectable.  Video & Audio  Video & Audio  Video & Audio  Video & Audio  Video Compression 25 fps (1280 × 720, 704 × 576, 640 × 480, 352 × 288, 320 × 240)  Third Stream 25 fps (1280 × 720, 704 × 576, 352 × 288, 320 × 240)  Video Compression 25 fps (1280 × 720, 704 × 576, 352 × 288, 320 × 240)  Video Compression 3 G.711u/G.711a/G.722.1/MP2L2/G.726/PCM  Network  Protocols 1 Pv4/IPv6, HTTP, HTTPS, 802.1x, Qos, FTP, SMTP, UPnP, SNMP, DNS, DDNS, NTP, RTSP, RTCP, RTP, TCP, UDP, IGMP, ICMP, DHCP, PPPOE  MicroSD/SDHC/SDXC card (up to 256 G) local storage, and NAS (NFS, SMB/CIFS), auto network replenishment (ANR)  ISAPI, HIKVISION SDK, third-party management platform, ONVIF (Profile S, Profile G,	Field of View	25° × 18.7° (H × V)
Average Effect  Farget Coloration  Yes. Supported in white hot and black hot mode.  Smart Function  Average Coloration  Yes. Supported in white hot and black hot mode.  Smart Function  Average Coloration  A	Min. Focusing Distance	0.6 m
mage Effect Farget Coloration Yes. Supported in white hot and black hot mode.  Smart Function  //CA (Video Content Analysis)  A VCA rule types (line crossing, intrusion, region entrance, and region exiting), up to 8 VCA rules in total.  3 temperature Measurement line).  Femperature Range -20 °C to 150 °C (-4 °F to 302 °F)  Femperature Accuracy ±8 °C (14.4 °F)  Fire Detection Dynamic fire detection, up to 10 fire points detectable.  //deo & Audio  //deo & Audio  //deo & Stream 25 fps (1280 × 720, 704 × 576, 640 × 480, 352 × 288, 320 × 240)  Sub-stream 25 fps (1280 × 720, 704 × 576, 352 × 288, 320 × 240)  //dieo Compression Sub-Stream: H.265/H.264  //deo Compression G.711u/G.711a/G.722.1/MP2L2/G.726/PCM  Network  //orocols IPv4/IPv6, HTTP, HTTPS, 802.1x, Qos, FTP, SMTP, UPnP, SNMP, DNS, DDNS, NTP, RTSP, RTCP, RTP, TCP, UDP, IGMP, ICMP, DHCP, PPPoE  MicroSD/SDHC/SDXC card (up to 256 G) local storage, and NAS (NFS, SMB/CIFS), auto network replenishment (ANR)  ISAPI, HIKVISION SDK, third-party management platform, ONVIF (Profile S, Profile G,	Aperture	F 1.1
A VCA rule types (line crossing, intrusion, region entrance, and region exiting), up to 8 VCA rules in total.  A VCA rule types (line crossing, intrusion, region entrance, and region exiting), up to 8 VCA rules in total.  A temperature Measurement line).  A temperature Range 2-0 °C to 150 °C (-4 °F to 302 °F)  A comperature Accuracy 2 8 °C (14.4 °F)  Dynamic fire detection, up to 10 fire points detectable.  A video & Audio  A video & Audio  A video & Audio  A video & Audio  A video & Video	Digital Zoom	×2, ×4, ×8
A VCA rule types (line crossing, intrusion, region entrance, and region exiting), up to 8 VCA rules in total.  3 temperature Measurement line).  3 temperature measurement rule types, 21 rules in total (10 points, 10 regions, and 1 line).  4 °C (150 °C (-4 °F to 302 °F)  5 Temperature Accuracy ± 8 °C (14.4 °F)  6 Temperature Accuracy Dynamic fire detection, up to 10 fire points detectable.  6 Fire Detection Dynamic fire detection, up to 10 fire points detectable.  7 Fire Detection Dynamic fire detection, up to 10 fire points detectable.  8 Fire Detection Dynamic fire detection, up to 10 fire points detectable.  8 Fire Detection Dynamic fire detection, up to 10 fire points detectable.  8 Fire Detection Dynamic fire detection, up to 10 fire points detectable.  9 Fire Detection Dynamic fire detection, up to 10 fire points detectable.  9 Fire Detection Dynamic fire detection, up to 10 fire points detectable.  9 Fire Detection Dynamic fire detection, up to 10 fire points detectable.  9 Fire Detection Dynamic fire detection, up to 10 fire points detectable.  9 Fire Detection Dynamic fire detection, up to 10 fire points detectable.  9 Fire Detection Dynamic fire detection, up to 10 fire points detectable.  9 Fire Detection Dynamic fire detection, up to 10 fire points detectable.  9 Fire Detection Dynamic fire detection, up to 10 fire points detectable.  9 Fire Detection Dynamic fire detection, up to 10 fire points detectable.  9 Fire Detection Dynamic fire detection, up to 10 fire points detectable.  9 Fire Detection Dynamic fire detection, up to 10 fire points detectable.  9 Fire Detection Dynamic fire detection, up to 10 fire points detectable.  9 Fire Detection Dynamic fire detection, up to 10 fire points detectable.  9 Fire Detection Dynamic fire detection, up to 10 fire points detectable.  9 Fire Detection Dynamic fire detection, up to 10 fire points detectable.  9 Fire Detection Dynamic fire detection, up to 10 fire points detectable.  9 Fire Detection Dynamic fire detectable.  9 Fire Detection Dynamic fire detec	Image Effect	
A VCA rule types (line crossing, intrusion, region entrance, and region exiting), up to 8 VCA rules in total.  Temperature Measurement line).  Temperature Range -20 °C to 150 °C (-4 °F to 302 °F)  Temperature Accuracy ±8 °C (14.4 °F)  Tire Detection Dynamic fire detection, up to 10 fire points detectable.  Addio  Main Stream 25 fps (1280 × 720, 704 × 576, 640 × 480, 352 × 288, 320 × 240)  Third Stream 25 fps (1280 × 720, 704 × 576, 352 × 288, 320 × 240)  Main Stream 25 fps (1280 × 720, 704 × 576, 352 × 288, 320 × 240)  Main Stream 425 fps (1280 × 720, 704 × 576, 352 × 288, 320 × 240)  Main Stream 425 fps (1280 × 720, 704 × 576, 352 × 288, 320 × 240)  Main Stream: H.265/H.264  Molio Compression G.711u/G.711a/G.722.1/MP2L2/G.726/PCM  Network  Protocols IPv4/IPv6, HTTP, HTTPS, 802.1x, Qos, FTP, SMTP, UPnP, SNMP, DNS, DDNS, NTP, RTSP, RTCP, RTP, TCP, UDP, IGMP, ICMP, DHCP, PPPoE  MicroSD/SDHC/SDXC card (up to 256 G) local storage, and NAS (NFS, SMB/CIFS), auto network replenishment (ANR)  ISAPI, HIKVISION SDK, third-party management platform, ONVIF (Profile S, Profile G,	Target Coloration	Yes. Supported in white hot and black hot mode.
VCA rules in total.  3 temperature measurement rule types, 21 rules in total (10 points, 10 regions, and 1 line).  Femperature Range -20 °C to 150 °C (-4 °F to 302 °F)  Femperature Accuracy ±8 °C (14.4 °F)  Dynamic fire detection, up to 10 fire points detectable.  Video & Audio  Vain Stream 25 fps (1280 × 720, 704 × 576, 640 × 480, 352 × 288, 320 × 240)  Sub-stream 25 fps (1280 × 720, 704 × 576, 352 × 288, 320 × 240)  Fird Stream 25 fps (1280 × 720, 704 × 576, 352 × 288, 320 × 240)  Main Stream 25 fps (1280 × 720, 704 × 576, 352 × 288, 320 × 240)  Main Stream: H.265/H.264  Video Compression Sub-Stream: H.265/H.264/MJPEG Third Stream: H.265/H.264/MJPEG Audio Compression G.711u/G.711a/G.722.1/MP2L2/G.726/PCM  Network  Protocols IPv4/IPv6, HTTP, HTTPS, 802.1x, Qos, FTP, SMTP, UPnP, SNMP, DNS, DDNS, NTP, RTSP, RTCP, RTP, TCP, UDP, IGMP, ICMP, DHCP, PPPoE  MicroSD/SDHC/SDXC card (up to 256 G) local storage, and NAS (NFS, SMB/CIFS), auto network replenishment (ANR)  ISAPI, HIKVISION SDK, third-party management platform, ONVIF (Profile S, Profile G,	Smart Function	
Ime).  Ime lemperature Measurement  Ime lemperature Range  -20 °C to 150 °C (-4 °F to 302 °F)  Imperature Accuracy  ± 8 °C (14.4 °F)  Imperature Accuracy  ± 9 °C (14.4 °F)  Imperature Accuracy  ± 14 °C (14.4 °F)   Imperature Accuracy  ± 14 °C (14.4 °F)   Imperature Accuracy  ± 14 °C (14	VCA (Video Content Analysis)	
Fire Detection Dynamic fire detection, up to 10 fire points detectable.  Video & Audio  Video & Audio  Video & Audio  Video & Audio  Video & Fire Detection Dynamic fire detection, up to 10 fire points detectable.  Video & Audio  Video & Audio  Video & Audio  Video & Fire Detection Dynamic fire detection, up to 10 fire points detectable.  Video & Audio  Video & Audio  Video & Audio  Video & Fire Detection Dynamic fire detection, up to 10 fire points detectable.  Video & Audio Compression 25 fps (1280 × 720, 704 × 576, 640 × 480, 352 × 288, 320 × 240)  Video & Fire Detection Dynamic fire detection, up to 10 fire points detectable.  Video & Audio Compression 25 fps (1280 × 720, 704 × 576, 640 × 480, 352 × 288, 320 × 240)  Video & Fire Detection Dynamic fire detection, up to 10 fire points detectable.  Video & Audio Compression 25 fps (1280 × 720, 704 × 576, 640 × 480, 352 × 288, 320 × 240)  Main Stream: H.265/H.264  Video Compression Sub-Stream: H.265/H.264/MJPEG  Third Stream:	Temperature Measurement	
Dynamic fire detection, up to 10 fire points detectable.  Video & Audio  Main Stream  25 fps (1280 × 720, 704 × 576, 640 × 480, 352 × 288, 320 × 240)  Sub-stream  25 fps (704 × 576, 352 × 288, 320 × 240)  Third Stream  25 fps (1280 × 720, 704 × 576, 352 × 288, 320 × 240)  Main Stream: H.265/H.264  Video Compression  Main Stream: H.265/H.264/MJPEG  Third Stream: H.265/H.264/MJPEG  Audio Compression  G.711u/G.711a/G.722.1/MP2L2/G.726/PCM  Network  Protocols  IPv4/IPv6, HTTP, HTTPS, 802.1x, Qos, FTP, SMTP, UPnP, SNMP, DNS, DDNS, NTP, RTSP, RTCP, RTP, TCP, UDP, IGMP, ICMP, DHCP, PPPoE  Metwork Storage  MicroSD/SDHC/SDXC card (up to 256 G) local storage, and NAS (NFS, SMB/CIFS), auto network replenishment (ANR)  ISAPI, HIKVISION SDK, third-party management platform, ONVIF (Profile S, Profile G,	Temperature Range	-20 °C to 150 °C (-4 °F to 302 °F)
Video & Audio  Main Stream  25 fps (1280 × 720, 704 × 576, 640 × 480, 352 × 288, 320 × 240)  Sub-stream  25 fps (704 × 576, 352 × 288, 320 × 240)  Third Stream  25 fps (1280 × 720, 704 × 576, 352 × 288, 320 × 240)  Main Stream: H.265/H.264  Video Compression  Main Stream: H.265/H.264/MJPEG  Third Stream: H.265/H.264/MJPEG  Audio Compression  G.711u/G.711a/G.722.1/MP2L2/G.726/PCM  Network  Protocols  IPv4/IPv6, HTTP, HTTPS, 802.1x, Qos, FTP, SMTP, UPnP, SNMP, DNS, DDNS, NTP, RTSP, RTCP, RTP, TCP, UDP, IGMP, ICMP, DHCP, PPPoE  MicroSD/SDHC/SDXC card (up to 256 G) local storage, and NAS (NFS, SMB/CIFS), auto network replenishment (ANR)  ISAPI, HIKVISION SDK, third-party management platform, ONVIF (Profile S, Profile G,	Temperature Accuracy	±8 °C (14.4 °F)
Main Stream  25 fps (1280 × 720, 704 × 576, 640 × 480, 352 × 288, 320 × 240)  Sub-stream  25 fps (704 × 576, 352 × 288, 320 × 240)  Third Stream  25 fps (1280 × 720, 704 × 576, 352 × 288, 320 × 240)  Main Stream: H.265/H.264  Video Compression  Sub-Stream: H.265/H.264/MJPEG Third Stream: H.265/H.264/MJPEG  Audio Compression  G.711u/G.711a/G.722.1/MP2L2/G.726/PCM  Network  Protocols  IPv4/IPv6, HTTP, HTTPS, 802.1x, Qos, FTP, SMTP, UPnP, SNMP, DNS, DDNS, NTP, RTSP, RTCP, RTP, TCP, UDP, IGMP, ICMP, DHCP, PPPoE  MicroSD/SDHC/SDXC card (up to 256 G) local storage, and NAS (NFS, SMB/CIFS), auto network replenishment (ANR)  ISAPI, HIKVISION SDK, third-party management platform, ONVIF (Profile S, Profile G,	Fire Detection	Dynamic fire detection, up to 10 fire points detectable.
Sub-stream  25 fps (704 × 576, 352 × 288, 320 × 240)  Third Stream  25 fps (1280 × 720, 704 × 576, 352 × 288, 320 × 240)  Main Stream: H.265/H.264  Video Compression  Sub-Stream: H.265/H.264/MJPEG Third Stream: H.265/H.264/MJPEG  Audio Compression  G.711u/G.711a/G.722.1/MP2L2/G.726/PCM  Network  Protocols  IPv4/IPv6, HTTP, HTTPS, 802.1x, Qos, FTP, SMTP, UPnP, SNMP, DNS, DDNS, NTP, RTSP, RTCP, RTP, TCP, UDP, IGMP, ICMP, DHCP, PPPOE  MicroSD/SDHC/SDXC card (up to 256 G) local storage, and NAS (NFS, SMB/CIFS), auto network replenishment (ANR)  ISAPI, HIKVISION SDK, third-party management platform, ONVIF (Profile S, Profile G,	Video & Audio	
Third Stream  25 fps (1280 × 720, 704 × 576, 352 × 288, 320 × 240)  Main Stream: H.265/H.264  Video Compression  Sub-Stream: H.265/H.264/MJPEG Third Stream: H.265/H.264/MJPEG  Audio Compression  G.711u/G.711a/G.722.1/MP2L2/G.726/PCM  Network  Protocols  IPv4/IPv6, HTTP, HTTPS, 802.1x, Qos, FTP, SMTP, UPnP, SNMP, DNS, DDNS, NTP, RTSP, RTCP, RTP, TCP, UDP, IGMP, ICMP, DHCP, PPPoE  Network Storage  MicroSD/SDHC/SDXC card (up to 256 G) local storage, and NAS (NFS, SMB/CIFS), auto network replenishment (ANR)  ISAPI, HIKVISION SDK, third-party management platform, ONVIF (Profile S, Profile G,	Main Stream	25 fps (1280 × 720, 704 × 576, 640 × 480, 352 × 288, 320 × 240)
Main Stream: H.265/H.264 Sub-Stream: H.265/H.264/MJPEG Third Stream: H.265/H.264/MJPEG Audio Compression  G.711u/G.711a/G.722.1/MP2L2/G.726/PCM  Network  Protocols  IPv4/IPv6, HTTP, HTTPS, 802.1x, Qos, FTP, SMTP, UPnP, SNMP, DNS, DDNS, NTP, RTSP, RTCP, RTP, TCP, UDP, IGMP, ICMP, DHCP, PPPoE  MicroSD/SDHC/SDXC card (up to 256 G) local storage, and NAS (NFS, SMB/CIFS), auto network replenishment (ANR)  ISAPI, HIKVISION SDK, third-party management platform, ONVIF (Profile S, Profile G,	Sub-stream	25 fps (704 × 576, 352 × 288, 320 × 240)
Sub-Stream: H.265/H.264/MJPEG Third Stream: H.265/H.264/MJPEG  Audio Compression  G.711u/G.711a/G.722.1/MP2L2/G.726/PCM  Network  Protocols  RTCP, RTP, TCP, UDP, IGMP, ICMP, DHCP, PPPoE  MicroSD/SDHC/SDXC card (up to 256 G) local storage, and NAS (NFS, SMB/CIFS), auto network replenishment (ANR)  ISAPI, HIKVISION SDK, third-party management platform, ONVIF (Profile S, Profile G,	Third Stream	25 fps (1280 × 720, 704 × 576, 352 × 288, 320 × 240)
Third Stream: H.265/H.264/MJPEG Audio Compression  G.711u/G.711a/G.722.1/MP2L2/G.726/PCM  Network  Protocols  IPv4/IPv6, HTTP, HTTPS, 802.1x, Qos, FTP, SMTP, UPnP, SNMP, DNS, DDNS, NTP, RTSP, RTCP, RTP, TCP, UDP, IGMP, ICMP, DHCP, PPPoE  Network Storage  MicroSD/SDHC/SDXC card (up to 256 G) local storage, and NAS (NFS, SMB/CIFS), auto network replenishment (ANR)  ISAPI, HIKVISION SDK, third-party management platform, ONVIF (Profile S, Profile G,		Main Stream: H.265/H.264
Audio Compression  G.711u/G.711a/G.722.1/MP2L2/G.726/PCM  Network  Protocols  RTCP, RTP, TCP, UDP, IGMP, ICMP, DHCP, PPPoE  MicroSD/SDHC/SDXC card (up to 256 G) local storage, and NAS (NFS, SMB/CIFS), auto network replenishment (ANR)  ISAPI, HIKVISION SDK, third-party management platform, ONVIF (Profile S, Profile G,	Video Compression	Sub-Stream: H.265/H.264/MJPEG
Protocols  IPv4/IPv6, HTTP, HTTPS, 802.1x, Qos, FTP, SMTP, UPnP, SNMP, DNS, DDNS, NTP, RTSP, RTCP, RTP, TCP, UDP, IGMP, ICMP, DHCP, PPPoE  MicroSD/SDHC/SDXC card (up to 256 G) local storage, and NAS (NFS, SMB/CIFS), auto network replenishment (ANR)  ISAPI, HIKVISION SDK, third-party management platform, ONVIF (Profile S, Profile G,		Third Stream: H.265/H.264/MJPEG
Protocols  IPv4/IPv6, HTTP, HTTPS, 802.1x, Qos, FTP, SMTP, UPnP, SNMP, DNS, DDNS, NTP, RTSP, RTCP, RTP, TCP, UDP, IGMP, ICMP, DHCP, PPPoE  MicroSD/SDHC/SDXC card (up to 256 G) local storage, and NAS (NFS, SMB/CIFS), auto network replenishment (ANR)  ISAPI, HIKVISION SDK, third-party management platform, ONVIF (Profile S, Profile G,	Audio Compression	G.711u/G.711a/G.722.1/MP2L2/G.726/PCM
RTCP, RTP, TCP, UDP, IGMP, ICMP, DHCP, PPPoE  MicroSD/SDHC/SDXC card (up to 256 G) local storage, and NAS (NFS, SMB/CIFS), auto network replenishment (ANR)  ISAPI, HIKVISION SDK, third-party management platform, ONVIF (Profile S, Profile G,	Network	
network Storage  network replenishment (ANR)  ISAPI, HIKVISION SDK, third-party management platform, ONVIF (Profile S, Profile G,	Protocols	
<del>/</del> PI	Network Storage	
	API	
Simultaneous Live View Up to 20 channels	Simultaneous Live View	Up to 20 channels



User/Host Level	Up to 32 users, 3 levels: Administrator, Operator, User			
Security	User authentication (ID and PW), MAC address binding, HTTPS encryption, IEEE			
	802.1x(EAP-MD5, EAP-TLS), access control, IP address filtering			
Client	iVMS-4200, Hik-Connect			
Web Browser	Live view (plug-in allowed) : Internet Explorer 11			
	Live view (plug-in free) : Chrome 57.0 +, Firefox 52.0 +			
	Local service : Chrome 57.0+, Firefox 52.0 +			
Interface				
Alarm Input	2-ch inputs (0-5 VDC)			
Alarm Output	2-ch relay outputs, alarm response actions configurable			
Alarm Action	SD card record/relay output/smart capture/FTP upload/email linkage			
A d I a	1, 3.5 mm Mic in/Line in interface.			
Audio Input	Line input: 2-2.4 V [p-p], output impedance: 1 K $\Omega$ ± 10%			
Audio Output	Linear level, impedance: $600 \Omega$			
	1, RJ45 10 M/100 M self-adaptive Ethernet interface.			
Communication Interface	1, RS-485 interface			
General				
	32 languages			
	English, Russian, Estonian, Bulgarian, Hungarian, Greek, German, Italian, Czech, Slovak,			
Menu Language	French, Polish, Dutch, Portuguese, Spanish, Romanian, Danish, Swedish, Norwegian,			
	Finnish, Croatian, Slovenian, Serbian, Turkish, Korean, Traditional Chinese, Thai,			
	Vietnamese, Japanese, Latvian, Lithuanian, Portuguese (Brazil)			
ower	12 VDC ± 20%, φ 5.5 mm coaxial power plug			
	PoE (802.3af, class 3)			
ower Consumption	12 VDC ± 20%: 0.4 A, max. 4.5 W			
	PoE (802.3af, class 3): 42.5 V to 57 V, 0.14 A to 0.22 A, max. 5 W			
Working Temperature/Humidity	-40 °C to 65 °C (-40 °F to 149 °F)			
Torming Temperature/Trainialty	95% or less			
Protection Level	IP66 Standard			
Protection Level	IP66 Standard TVS 6000V lightning protection, surge protection, voltage transient protection			
Protection Level Dimensions				



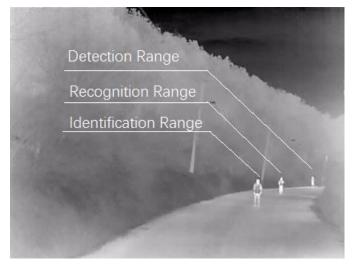
### **DRI Range Table**

- \* The table is only for reference and the performance may vary according to different environment.
- \* The optimal human 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.



Detection Range	Detection Range	Recognition	Recognition	Identification	Identification
(Vehicles: 1.4 ×	(Humans: 1.8 ×	Range (Vehicles:	Range (Humans:	Range (Vehicles:	Range (Humans:
4.0 m)	0.5 m)	1.4 × 4.0 m)	1.8 × 0.5 m)	1.4 × 4.0 m)	1.8 × 0.5 m)

#### **Smart Function Table**

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

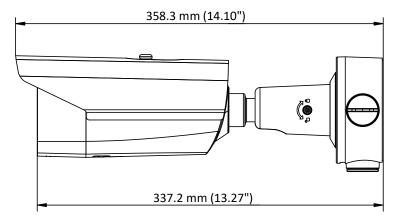
VCA Range (Vehicles: 1.4 × 4.0 m)	VCA Range (Humans: 1.8 × 0.5 m)	Temperature Measurement (Object: 2 × 2 m)	Temperature Measurement (Object: 1 × 1 m)	Fire Detection (Object: 2 × 2 m)	Fire Detection (Object: 1 × 1 m)
85 m	30 m	132 m	66 m	360 m	180 m

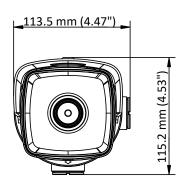
#### **Available Model**

DS-2TD2117-6PE



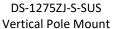
#### **Dimension**





#### Accessory







DS-1276ZJ-SUS Corner Mount

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