

## DS-2TD1217-6/QA **Thermographic Network Turret Camera**













Hikvision DS-2TD1217-6/QA Thermographic Network Turret Camera can be applied to substations, hydropower stations, waste incineration plants, manufacturing workshops, etc. The accurate temperature measurement device sends temperature exception alarms for loss prevention.

#### Key Feature

- 160 × 120 resolution, 17 μm, VOx UFPA, NETD < 40 mK (25 °C, F# = 1.1)</li>
- High accuracy temperature exception alarm, 20 °C to 150 °C (- 4 °F to 302 °F) ± 8 °C (± 14.4 °F)
- Image processing technology: linear, histogram, self-adaptive thermal AGC mode, DDE, 3D DNR





# Specification

Image Sensor         Vanadium Oxide Uncooled Focal Plane Arrays           Resolution         160 × 120           Pixel Pitch         17 µm           Spectral Range         8 µm to 14 µm           NETD         <40 mt (@ 25 °C, F# = 1.1)           Focal Length         6.2 mm           IFOV         2.74 mrad           Field of View         25.0° × 18.7° (H × V)           Min. Focusing Distance         0.6 m           Aperture         F1.1           Digital Zoom         × 2, × 4           Optical Module           Image Sensor         1/2.7" Progressive Scan CMOS           Resolution         2688 × 1520           Min. Illumination         Color: 0.0176 Lux @ (F2.25, AGC ON), B/W: 0.0035 Lux @ (F2.25, AGC ON)           Shutter Speed         1 s to 1/100,000 s           Focal Length         8 m           Field of View         39.42* × 22.14" (H × V)           Aperture (Range)         F2.3           WDR         120 BB           Image Effect         Target Coloration           Target Coloration         Yes. Supported in white hot and black hot mode.           Illumination         Ves. Supported in white hot and black hot mode.           Illumination         Yes. (s to two types of audiable alarm	Thermal Module				
Resolution         160 × 120           Pixel Pitch         17 μm           Spectral Range         8 μm to 14 μm           NETD         < 40 mK (@ 25 °C, F# = 1.1)           Focal Length         6.2 mm           IFOV         2.74 mrad           Field of View         25.0° × 18.7° (H × V)           Min. Focusing Distance         0.6 m           Aperture         F1.1           Digital Zoom         × 2, × 4           Optical Module         ***           Image Sensor         1/2.7" Progressive Scan CMOS           Resolution         2688 × 1520           Min. Illumination         Color: 0.0176 Lux @ (F2.25, AGC ON), B/W: 0.0035 Lux @ (F2.25, AGC ON)           Shutter Speed         1 s to 1/100,000 s           Focal Length         8 mm           Field of View         39.42° × 22.44° (H × V)           Aperture (Range)         F2.3           WDR         120 dB           Image Effect         **           Target Coloration         Yes. Supported in white hot and black hot mode.           Illuminator         **           IR Intensity and Angle         Automatically adjusted           Audible and Visual Alarm         Yes. White light alarm with adjustable flashing frequencies	Image Sensor	Vanadium Oxide Uncooled Focal Plane Arrays			
Pixel Pitch         17 μm           Spectral Range         8 μm to 14 μm           NETD         < 40 mK (@ 25 °C, F# = 1.1)					
Spectral Range         8 μm to 14 μm           NETD         < 40 mK (@ 25 °C, F# = 1.1)           Focal Length         6.2 mm           IFOV         2.74 mrad           Field of View         25.0° × 18.7" (H × V)           Min. Focusing Distance         0.6 m           Aperture         F1.1           Digital Zoom         × 2, x 4           Optical Module           Image Sensor         1/2.7" Progressive Scan CMOS           Resolution         2688 × 1520           Min. Illumination         Color: 0.0176 Lux @ (F2.25, AGC ON), B/W: 0.0035 Lux @ (F2.25, AGC ON)           Shutter Speed         1 s to 1/100,000 s           Focal Length         8 mm           Field of View         39.42" × 22.14"(H × V)           Aperture (Range)         F2.3           WDR         1 20 dB           Image Effect           Target Coloration         Yes. Supported in white hot and black hot mode.           Illuminator           IR Intensity and Angle         Automatically adjusted           Automatically adjusted           WDR         Up to 15 m           IR Intensity and Angle         Ves. White light alarm with adjustable flashing frequencies <th< td=""><td></td><td>17 um</td></th<>		17 um			
NETD         < 40 mK (@ 25 °C, F# = 1.1)	Spectral Range	·			
Focal Length   G.2 mm   FOV   C.74 mrad     Field of View   25.0° x 18.7° (H x V)     Min. Focusing Distance   G.6 m     Aperture   F1.1     Digital Zoom   x 2, x 4     Coptical Module     Image Sensor   1/2.7" Progressive Scan CMOS     Resolution   Color: 0.0176 Lux @ (F2.25, AGC ON), B/W: 0.0035 Lux @ (F2.25, AGC ON)     Shutter Speed   1 s to 1/100,000 s     Focal Length   8 mm     Field of View   39.42" x 22.14"(H x V)     Aperture (Range)   F2.3     WDR   120 dB     Image Effect     Target Coloration   Yes. Supported in white hot and black hot mode.     Illuminator     Illuminator     Illuminator     White Light Range   Up to 15 m     Ill R Intensity and Angle   Automatically adjusted     Audible and Visual Alarm     White Light Range   Up to 30 m     Visual Alarm   Yes. White light alarm with adjustable flashing frequencies     Audio alarm   2 preset voice alerts (one for each)     6 importable user-defined voice alerts (4 options shared in the two types)     Smart Function   Carrell of the Carrell of total.     Temperature Measurement   Carrell of					
IFOV     2.74 mrad       Field of View     25.0° × 18.7° (H × V)       Min. Focusing Distance     0.6 m       Aperture     F1.1       Digital Zoom     × 2, × 4       Optical Module       Image Sensor     1/2.7" Progressive Scan CMOS       Resolution     2688 × 1520       Min. Illumination     Color: 0.0176 Lux @ (F2.25, AGC ON), B/W: 0.0035 Lux @ (F2.25, AGC ON)       Shutter Speed     1 s to 1/100,000 s       Focal Length     8 mm       Field of View     39.42° × 22.14°(H × V)       Aperture (Range)     F2.3       WDR     120 dB       Image Effect       Target Coloration     Yes. Supported in white hot and black hot mode.       Illuminator       IR Intensity and Angle     Automatically adjusted       Audible and Visual Alarm       White Light Range     Up to 30 m       Visual Alarm     Yes. White light alarm with adjustable flashing frequencies       Audio alarm     2 preset voice alerts (one for each)       6 importable user-defined voice alerts (4 options shared in the two types)       Smart Function       VCA     4 VCA rule types (line crossing, intrusion, region entrance, and region exiting), up to 8 VCA rules in total.       Temperature Measurement     3 temperature measurement rule types, 21 rules in	Focal Length				
Field of View 25.0° x 18.7° (H x V)  Min. Focusing Distance 0.6 m  Aperture F1.1  Digital Zoom x 2, x 4  Optical Module  Image Sensor 1/2.7" Progressive Scan CMOS  Resolution 2688 x 1520  Min. Illumination Color: 0.0176 Lux @ (F2.25, AGC ON), B/W: 0.0035 Lux @ (F2.25, AGC ON)  Shutter Speed 1 s to 1/100,000 s  Focal Length 8 mm  Field of View 39.42° x 22.14° (H x V)  Aperture (Range) F2.3  WDR 120 dB  Image Effect  Target Coloration Yes. Supported in white hot and black hot mode.  Illuminator  IR Distance Up to 15 m  IR Intensity and Angle Automatically adjusted  Autible and Visual Alarm  White Light Range Up to 30 m  Visual Alarm Yes. White light alarm with adjustable flashing frequencies  Yes, for two types of audible alarm (VCA, Temperature)  2 preset voice alerts (one for each) 6 importable user-defined voice alerts (4 options shared in the two types)  Smart Function  Temperature Measurement 3 temperature measurement rule types, 21 rules in total (10 points, 10 areas, and 1 line)  Temperature Range - 20 °C to 150 °C (-4 °F to 302 °F)		2.74 mrad			
Min. Focusing Distance Aperture Aperture Aperture Aperture Aperture F1.1  Digital Zoom Az x 4  Optical Module  Image Sensor Alz.7" Progressive Scan CMOS Resolution Color: 0.0176 Lux @ (F2.25, AGC ON), B/W: 0.0035 Lux @ (F2.25, AGC ON) Shutter Speed As mm Field of View Aperture (Range) F2.3  WDR Aperture (Pange) F2.3  Automatically adjusted Automa		25.0° × 18.7° (H × V)			
Aperture F1.1 Digital Zoom ×2,×4  Coptical Module Image Sensor 1/2.7" Progressive Scan CMOS Resolution 2688 × 1520 Min. Illumination Color: 0.0176 Lux @ (F2.25, AGC ON), B/W: 0.0035 Lux @ (F2.25, AGC ON) Shutter Speed 1 s to 1/100,000 s Focal Length 8 mm Field of View 39.42° × 22.14°(H × V) Aperture (Range) F2.3 WDR 120 dB  Image Effect Illuminator IR Distance Up to 15 m IR Intensity and Angle Automatically adjusted  Audible and Visual Alarm  Ves. White Light Range Up to 30 m  Visual Alarm Ves. White light alarm with adjustable flashing frequencies  Ves, for two types of audible alarm (VCA, Temperature) Audio alarm 2 preset voice alerts (one for each) 6 importable user-defined voice alerts (4 options shared in the two types)  Famer Function  Temperature Measurement 3 temperature measurement rule types, 21 rules in total (10 points, 10 areas, and 1 line) Imperature Range -20 °C to 150 °C (-4 °F to 302 °F)	Min. Focusing Distance	·			
Optical Module           Image Sensor         1/2.7" Progressive Scan CMOS           Resolution         2688 × 1520           Min. Illumination         Color: 0.0176 Lux @ (F2.25, AGC ON), B/W: 0.0035 Lux @ (F2.25, AGC ON)           Shutter Speed         1 s to 1/100,000 s           Focal Length         8 mm           Field of View         39.42° × 22.14° (H × V)           Aperture (Range)         F2.3           WDR         120 dB           Image Effect           Target Coloration         Yes. Supported in white hot and black hot mode.           Illuminator         Illuminator           IR Intensity and Angle         Up to 15 m           IR Intensity and Angle         Up to a0 m           Visual Alarm         Yes. White light alarm with adjustable flashing frequencies           Visual Alarm         Yes. White light alarm with adjustable flashing frequencies           Visual Alarm         Yes, for two types of audible alarm (VCA, Temperature)           Audio alarm         2 preset voice alerts (one for each)           6 importable user-defined voice alerts (4 options shared in the two types)           Smart Function         VCA rules in total.           Temperature Measurement         3 temperature measurement rule types, 21 rules in total (10 points, 10 areas, and 1 line)		F1.1			
Optical Module           Image Sensor         1/2.7" Progressive Scan CMOS           Resolution         2688 × 1520           Min. Illumination         Color: 0.0176 Lux @ (F2.25, AGC ON), B/W: 0.0035 Lux @ (F2.25, AGC ON)           Shutter Speed         1 s to 1/100,000 s           Focal Length         8 mm           Field of View         39.42° × 22.14°(H × V)           Aperture (Range)         F2.3           WDR         120 dB           Image Effect           Target Coloration           Yes. Supported in white hot and black hot mode.           Illuminator           IR Distance         Up to 15 m           IR Intensity and Angle         Automatically adjusted           Audible and Visual Alarm           White Light Range         Up to 30 m           Visual Alarm         Yes. White light alarm with adjustable flashing frequencies           Yes, for two types of audible alarm (VCA, Temperature)           2 preset voice alerts (4 options shared in the two types)           Smart Function           VCA         4 VCA rule types (line crossing, intrusion, region entrance, and region exiting), up to 8 VCA rules in total.           Temperature Measurement         3 temperature measurement rule types, 21 rules in tota	_ ·				
Image Sensor1/2.7" Progressive Scan CMOSResolution2688 × 1520Min. IlluminationColor: 0.0176 Lux @ (F2.25, AGC ON), B/W: 0.0035 Lux @ (F2.25, AGC ON)Shutter Speed1 s to 1/100,000 sFocal Length8 mmField of View39.42° × 22.14° (H × V)Aperture (Range)F2.3WDR120 dBImage EffectTarget ColorationTarget ColorationYes. Supported in white hot and black hot mode.IlluminatorIR Intensity and AngleAutomatically adjustedAudible and Visual AlarmUp to 30 mWhite Light RangeUp to 30 mVisual AlarmYes. White light alarm with adjustable flashing frequenciesAudio alarmYes. for two types of audible alarm (VCA, Temperature) 2 preset voice alerts (one for each) 6 importable user-defined voice alerts (4 options shared in the two types)Smart Function4 VCA rule types (line crossing, intrusion, region entrance, and region exiting), up to 8 VCA rules in total.Temperature Measurement3 temperature measurement rule types, 21 rules in total (10 points, 10 areas, and 1 line)Temperature Range-20 °C to 150 °C (-4 °F to 302 °F)	_				
Resolution 2688 × 1520  Min. Illumination Color: 0.0176 Lux @ (F2.25, AGC ON), B/W: 0.0035 Lux @ (F2.25, AGC ON)  Shutter Speed 1 s to 1/100,000 s  Focal Length 8 mm  Field of View 39.42° × 22.14°(H × V)  Aperture (Range) F2.3  WDR 120 dB  Image Effect  Target Coloration Yes. Supported in white hot and black hot mode.  Illuminator  IR Distance Up to 15 m  IR Intensity and Angle Automatically adjusted  Audible and Visual Alarm  White Light Range Up to 30 m  Visual Alarm Yes. White light alarm with adjustable flashing frequencies  Yes, for two types of audible alarm (VCA, Temperature)  2 preset voice alerts (one for each) 6 importable user-defined voice alerts (4 options shared in the two types)  Smart Function  VCA 4 VCA rule types (line crossing, intrusion, region entrance, and region exiting), up to 8 VCA rules in total.  Temperature Measurement Iline)  Temperature Range -20 °C to 150 °C (-4 °F to 302 °F)	-	1/2.7" Progressive Scan CMOS			
Min. Illumination Color: 0.0176 Lux @ (F2.25, AGC ON), B/W: 0.0035 Lux @ (F2.25, AGC ON) Shutter Speed 1 s to 1/100,000 s Focal Length 8 mm Field of View 39.42° × 22.14° (H × V) Aperture (Range) F2.3 WDR 120 dB Image Effect Target Coloration Yes. Supported in white hot and black hot mode. Illuminator IR Distance Up to 15 m IR Intensity and Angle Automatically adjusted  Audible and Visual Alarm White Light Range Up to 30 m Visual Alarm Yes. White light alarm with adjustable flashing frequencies Yes, for two types of audible alarm (VCA, Temperature) 2 preset voice alerts (one for each) 6 importable user-defined voice alerts (4 options shared in the two types)  Smart Function  VCA 4 VCA rule types (line crossing, intrusion, region entrance, and region exiting), up to 8 VCA rules in total.  3 temperature Measurement line) Temperature Range - 20 °C to 150 °C (- 4 °F to 302 °F)		-			
Shutter Speed1 s to 1/100,000 sFocal Length8 mmField of View39.42° x 22.14°(H x V)Aperture (Range)F2.3WDR120 dBImage EffectTarget ColorationYes. Supported in white hot and black hot mode.IlluminatorIR DistanceUp to 15 mIR Intensity and AngleAutomatically adjustedAudible and Visual AlarmVes. White light alarm with adjustable flashing frequenciesVisual AlarmYes. White light alarm with adjustable flashing frequenciesAudio alarm2 preset voice alerts (one for each) 6 importable user-defined voice alerts (4 options shared in the two types)Smart Function4 VCA rule types (line crossing, intrusion, region entrance, and region exiting), up to 8 VCA rules in total.Temperature Measurement3 temperature measurement rule types, 21 rules in total (10 points, 10 areas, and 1 line)Temperature Range-20 °C to 150 °C (-4 °F to 302 °F)					
Focal Length 8 mm  Field of View 39.42° × 22.14° (H × V)  Aperture (Range) F2.3  WDR 120 dB  Image Effect  Target Coloration Yes. Supported in white hot and black hot mode.  Illuminator  IR Distance Up to 15 m  IR Intensity and Angle Automatically adjusted  Audible and Visual Alarm  White Light Range Up to 30 m  Visual Alarm Yes. White light alarm with adjustable flashing frequencies  Yes, for two types of audible alarm (VCA, Temperature) 2 preset voice alerts (one for each) 6 importable user-defined voice alerts (4 options shared in the two types)  Smart Function  VCA  4 VCA rule types (line crossing, intrusion, region entrance, and region exiting), up to 8 VCA rules in total.  Temperature Measurement  1 ine)  Temperature Range - 20 °C to 150 °C (-4 °F to 302 °F)	Shutter Speed				
Field of View 39.42° × 22.14°(H × V)  Aperture (Range) F2.3  WDR 120 dB  Image Effect  Target Coloration Yes. Supported in white hot and black hot mode.  Illuminator  IR Distance Up to 15 m  IR Intensity and Angle Automatically adjusted  Audible and Visual Alarm  White Light Range Up to 30 m  Visual Alarm Yes. White light alarm with adjustable flashing frequencies  Yes, for two types of audible alarm (VCA, Temperature)  2 preset voice alerts (one for each) 6 importable user-defined voice alerts (4 options shared in the two types)  Smart Function  VCA 4 VCA rule types (line crossing, intrusion, region entrance, and region exiting), up to 8 VCA rules in total.  Temperature Measurement 1 ine)  Temperature Range -20 °C to 150 °C (-4 °F to 302 °F)	·	8 mm 39.42° × 22.14°(H × V) F2.3			
Aperture (Range)  F2.3  WDR  120 dB  Image Effect  Target Coloration  Yes. Supported in white hot and black hot mode.  Illuminator  IR Distance  Up to 15 m  IR Intensity and Angle  Automatically adjusted  Audible and Visual Alarm  White Light Range  Up to 30 m  Visual Alarm  Yes. White light alarm with adjustable flashing frequencies  Yes, for two types of audible alarm (VCA, Temperature)  2 preset voice alerts (one for each) 6 importable user-defined voice alerts (4 options shared in the two types)  Smart Function  VCA  4 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)					
WDR120 dBImage EffectTarget ColorationYes. Supported in white hot and black hot mode.IlluminatorIIR DistanceIR DistanceUp to 15 mIR Intensity and AngleAutomatically adjustedAudible and Visual AlarmWhite Light RangeUp to 30 mVisual AlarmYes. White light alarm with adjustable flashing frequenciesAudio alarmYes, for two types of audible alarm (VCA, Temperature)2 preset voice alerts (one for each) 6 importable user-defined voice alerts (4 options shared in the two types)Smart FunctionVCA4 VCA rule types (line crossing, intrusion, region entrance, and region exiting), up to 8 VCA rules in total.Temperature Measurement3 temperature measurement rule types, 21 rules in total (10 points, 10 areas, and 1 line)Temperature Range-20 °C to 150 °C (-4 °F to 302 °F)	Aperture (Range)				
Target Coloration Yes. Supported in white hot and black hot mode.  Illuminator  IR Distance Up to 15 m  IR Intensity and Angle Automatically adjusted  Audible and Visual Alarm  White Light Range Up to 30 m  Visual Alarm Yes. White light alarm with adjustable flashing frequencies  Yes, for two types of audible alarm (VCA, Temperature)  2 preset voice alerts (one for each) 6 importable user-defined voice alerts (4 options shared in the two types)  Smart Function  VCA 4 VCA rule types (line crossing, intrusion, region entrance, and region exiting), up to 8 VCA rules in total.  Temperature Measurement 3 temperature measurement rule types, 21 rules in total (10 points, 10 areas, and 1 line)  Temperature Range - 20 °C to 150 °C (-4 °F to 302 °F)					
Illuminator  IR Distance Up to 15 m  IR Intensity and Angle Automatically adjusted  Audible and Visual Alarm  White Light Range Up to 30 m  Visual Alarm Yes. White light alarm with adjustable flashing frequencies  Yes, for two types of audible alarm (VCA, Temperature)  Audio alarm 2 preset voice alerts (one for each) 6 importable user-defined voice alerts (4 options shared in the two types)  Smart Function  VCA 4 VCA rule types (line crossing, intrusion, region entrance, and region exiting), up to 8 VCA rules in total.  Temperature Measurement 3 temperature measurement rule types, 21 rules in total (10 points, 10 areas, and 1 line)  Temperature Range -20 °C to 150 °C (-4 °F to 302 °F)	Image Effect				
IR Distance Up to 15 m  IR Intensity and Angle Audible and Visual Alarm  White Light Range Up to 30 m  Visual Alarm  Yes. White light alarm with adjustable flashing frequencies  Yes, for two types of audible alarm (VCA, Temperature) 2 preset voice alerts (one for each) 6 importable user-defined voice alerts (4 options shared in the two types)  Smart Function  VCA  4 VCA rule types (line crossing, intrusion, region entrance, and region exiting), up to 8 VCA rules in total.  Temperature Measurement  3 temperature measurement rule types, 21 rules in total (10 points, 10 areas, and 1 line)  Temperature Range  - 20 °C to 150 °C (- 4 °F to 302 °F)	_	Yes. Supported in white hot and black hot mode.			
Audible and Visual Alarm  White Light Range  Up to 30 m  Visual Alarm  Yes. White light alarm with adjustable flashing frequencies  Yes, for two types of audible alarm (VCA, Temperature)  2 preset voice alerts (one for each) 6 importable user-defined voice alerts (4 options shared in the two types)  Smart Function  VCA  4 VCA rule types (line crossing, intrusion, region entrance, and region exiting), up to 8 VCA rules in total.  Temperature Measurement  3 temperature measurement rule types, 21 rules in total (10 points, 10 areas, and 1 line)  Temperature Range  - 20 °C to 150 °C (- 4 °F to 302 °F)	Illuminator				
Audible and Visual Alarm  White Light Range  Up to 30 m  Visual Alarm  Yes. White light alarm with adjustable flashing frequencies  Yes, for two types of audible alarm (VCA, Temperature)  2 preset voice alerts (one for each) 6 importable user-defined voice alerts (4 options shared in the two types)  Smart Function  VCA  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 areas, and 1 line)  Temperature Range  - 20 °C to 150 °C (- 4 °F to 302 °F)	IR Distance Up to 15 m				
White Light Range  Visual Alarm  Yes. White light alarm with adjustable flashing frequencies  Yes, for two types of audible alarm (VCA, Temperature)  2 preset voice alerts (one for each) 6 importable user-defined voice alerts (4 options shared in the two types)  Smart Function  VCA  4 VCA rule types (line crossing, intrusion, region entrance, and region exiting), up to 8 VCA rules in total.  Temperature Measurement  3 temperature measurement rule types, 21 rules in total (10 points, 10 areas, and 1 line)  Temperature Range  - 20 °C to 150 °C (- 4 °F to 302 °F)	IR Intensity and Angle	Automatically adjusted			
Visual Alarm  Yes. White light alarm with adjustable flashing frequencies  Yes, for two types of audible alarm (VCA, Temperature)  2 preset voice alerts (one for each) 6 importable user-defined voice alerts (4 options shared in the two types)  Smart Function  VCA  4 VCA rule types (line crossing, intrusion, region entrance, and region exiting), up to 8 VCA rules in total.  Temperature Measurement  3 temperature measurement rule types, 21 rules in total (10 points, 10 areas, and 1 line)  Temperature Range  - 20 °C to 150 °C (- 4 °F to 302 °F)	Audible and Visual Alarm				
Audio alarm  Yes, for two types of audible alarm (VCA, Temperature)  2 preset voice alerts (one for each) 6 importable user-defined voice alerts (4 options shared in the two types)  Smart Function  VCA  4 VCA rule types (line crossing, intrusion, region entrance, and region exiting), up to 8 VCA rules in total.  Temperature Measurement  3 temperature measurement rule types, 21 rules in total (10 points, 10 areas, and 1 line)  Temperature Range  - 20 °C to 150 °C (- 4 °F to 302 °F)	White Light Range	Up to 30 m			
Audio alarm  2 preset voice alerts (one for each) 6 importable user-defined voice alerts (4 options shared in the two types)  Smart Function  VCA  4 VCA rule types (line crossing, intrusion, region entrance, and region exiting), up to 8 VCA rules in total.  Temperature Measurement  3 temperature measurement rule types, 21 rules in total (10 points, 10 areas, and 1 line)  Temperature Range  - 20 °C to 150 °C (- 4 °F to 302 °F)	Visual Alarm	Yes. White light alarm with adjustable flashing frequencies			
Smart Function  VCA  4 VCA rule types (line crossing, intrusion, region entrance, and region exiting), up to 8 VCA rules in total.  Temperature Measurement  Temperature Range  - 20 °C to 150 °C (- 4 °F to 302 °F)		Yes, for two types of audible alarm (VCA, Temperature)			
VCA  VCA rule types (line crossing, intrusion, region entrance, and region exiting), up to 8  VCA rules in total.  Temperature Measurement  line)  Temperature Range  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 areas, and 1 line)	Audio alarm	2 preset voice alerts (one for each)			
VCA  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 areas, and 1 line)  Temperature Range  - 20 °C to 150 °C (- 4 °F to 302 °F)		6 importable user-defined voice alerts (4 options shared in the two types)			
VCA rules in total.  Temperature Measurement line)  Temperature Range   VCA rules in total.  3 temperature measurement rule types, 21 rules in total (10 points, 10 areas, and 1 line)  - 20 °C to 150 °C (- 4 °F to 302 °F)	Smart Function				
VCA rules in total.  3 temperature measurement rule types, 21 rules in total (10 points, 10 areas, and 1 line)  Temperature Range - 20 °C to 150 °C (- 4 °F to 302 °F)	VCA	4 VCA rule types (line crossing, intrusion, region entrance, and region exiting), up to 8			
Temperature Measurement line)  Temperature Range - 20 °C to 150 °C (- 4 °F to 302 °F)	VCA	VCA rules in total.			
Temperature Range - 20 °C to 150 °C (- 4 °F to 302 °F)	Temperature Measurement	3 temperature measurement rule types, 21 rules in total (10 points, 10 areas, and 1			
	remperature ivicasurement	line)			
Temperature Accuracy ± 8 °C (± 14.4 °F)	Temperature Range	- 20 °C to 150 °C (- 4 °F to 302 °F)			
	Temperature Accuracy	± 8 °C (± 14.4 °F)			



Video and Audio	
	Thermal:
	25 fps (1280 × 720, 704 × 576, 640 × 480, 352 × 288, 320 × 240)
Main Stream	Optical:
	50 Hz: 25 fps (2688 × 1520, 1920 × 1080, 1280 × 720)
	60Hz: 30 fps (2688 × 1520, 1920 × 1080, 1280 × 720)
	Thermal:
	25 fps (704 × 576, 352 × 288, 320 × 240)
Sub-stream	Optical:
	50 Hz: 25 fps (704 × 576, 352 × 288)
	60 Hz: 30 fps (704 × 480, 352 × 240)
	Main Stream: H.265/H.264
Video Compression	Sub-Stream: H.265/H.264/MJPEG
Audio Compression	G.722.1/G.711ulaw/G.711alaw/MP2L2/G.726/PCM
Network	
	IPv4/IPv6, HTTP, HTTPS, 802.1x, QoS, FTP, SMTP, UPnP, SNMP, DNS, DDNS, NTP, RTSP,
Protocols	RTCP, RTP, TCP, UDP, IGMP, ICMP, DHCP, PPPOE
	MicroSD/SDHC/SDXC card (up to 256 G) local storage, NAS (NFS, SMB/CIFS), Auto
Network Storage	Network Replenishment (ANR)
API	ISAPI, HIKVISION SDK, third-party management platform,
Simultaneous Live View	Up to 20 channels
User/Host level	Up to 32 users, 3 levels: Administrator, Operator, User
osci, i i osci i cvei	User authentication (ID and PW), MAC address binding, HTTPS encryption, IEEE
Security	802.1x(EAP-MD5, EAP-TLS), access control, IP address filtering
Client	iVMS-4200, Hik-Connect
Cheffe	Live view (plug-in allowed): Internet Explorer 11
Web Browser	Live view (plug-in free): Chrome 57.0 +, Firefox 52.0 +
Web Browser	Local service: Chrome 57.0 +, Firefox 52.0 +
Interface	2000 Service: Cili Cili Cili Cili Cili Cili Cili Cil
Alarm Input	1, alarm input (0-5 VDC)
Alarm Output	1, alarm output (alarm response actions configurable)
Alarm Action	SD recording/Relay output/Smart capture/FTP upload/Email linkage
And The Action	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: $600 \Omega$
Addio Odtput	1, RJ45 10 M/100 M Self-adaptive Ethernet interface.
Communication Interface	1, RS-485 interface (half duplex)
General	1, K3-465 litterface (fiall duplex)
General	32 languages English, Russian, Estonian, Bulgarian, Hungarian, Greek, German, Italian,
	Czech, Slovak, French, Polish, Dutch, Portuguese, Spanish, Romanian, Danish, Swedish,
Web Client Language	Norwegian, Finnish, Croatian, Slovenian, Serbian, Turkish, Korean, Traditional Chinese,
	Thai, Vietnamese, Japanese, Latvian, Lithuanian, Portuguese (Brazil)
	12 VDC ± 25%, φ 5.5 mm coaxial power plug
Power Supply	PoE (802.3af, class 3)
	12 VDC ± 25%: 0.5 A, Max. 6 W
Power Consumption	PoE (802.3af, class 3): 42.5 V to 57 V, 0.14 A to 0.22 A, Max. 6.5 W
	FUL (OUZ.3a), Class 3). 42.3 V (U 3/ V, U.14 A (U U.22 A, IVIdX. 0.3 VV



Working Temperature/Humidity	Temperature: - 40 °C to 65 °C (- 40 °F to 149 °F)  Humidity: 95% or less
Protection Level	IP66 Standard TVS 6000 V lightning protection, surge protection, voltage transient protection
Dimensions	138.3 mm × 138.3 mm × 123.1 mm (5.45" × 5.45" × 4.85 ")
Weight	940 g (2.07 lb)



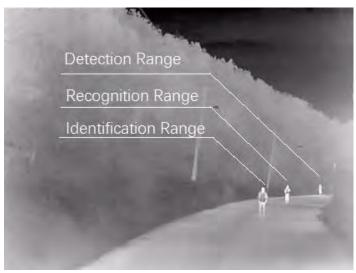
### **DRI Range Table**

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



<b>Detection Range</b>	<b>Detection Range</b>	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)
559 m	182 m	140 m	46 m	70 m	23 m

#### **Smart Function Table**

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

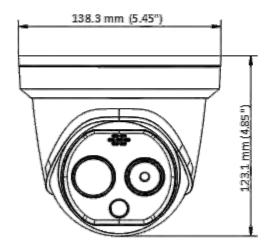
VCA Range (Vehicles: 1.4 × VCA Range (Humans: 1.8 ×		Temperature Measurement	Temperature Measurement	
4.0 m)	0.5 m)	(Object: 2 × 2 m)	(Object: 1 × 1 m)	
85 m	30 m	132 m	66 m	

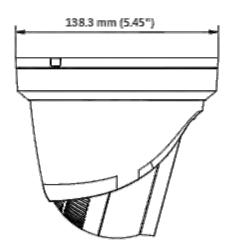
#### Available Model

DS-2TD1217-6/QA



#### Dimension





Unit: mm [Inch]

## Accessory

#### Optional









DS-1280ZJ-DM21
Junction Box

COMPLIANCE NOTICE: The thermal series products might be subject to export controls in various countries or regions, including without limitation, the United States, European Union, United Kingdom and/or other member countries of the Wassenaar Arrangement. Please consult your professional legal or compliance expert or local government authorities for any necessary export license requirements if you intend to transfer, export, re-export the thermal series products between different countries.



Distributed by

# HIKVISION'

#### Headquarters

No.555 Qianmo Road, Binjiang District, Hangzhou 310051, China T +86-571-8807-5998 overseasbusiness@hikvision.com

Hikvision USA T+1-909-895-0400 sales.usa@hikvision.com

Hikvision Australia T+61-2-8599-4233 salesau@hikvision.com

Hikvision India T+91-22-28469900 sales@pramahikvision,com

Hikvision Canada T+1-866-200-6690 sales.canada@hikvision.com

Hikvision Thailand T+662-275-9949 sales.thailand@hikvision.com Hikvision Europe T +31-23-5542770 sales.eu@hikvision.com

Hikvision Italy T+39-0438-6902 info.it@hikvision.com

Hikvision Brazil T +55 11 3318-0050 Latam.support@hikvision.com

Hikvision Turkey T +90 [216]521 7070- 7074 sales,tr@hikvision.com

Hikvision Malaysia T+601-7652-2413 sales.my@hikvision.com Hikvision UK & Ireland T +01628-902140 sales.uk@hikvision.com

Hikvision South Africa Tel: +27 [10] 0351172 sale.africa@hikvision.com

Hikvision France T +33[0]1-85-330-450 info.fr@hikvision.com

Hikvision Kazakhstan T +7-727-9730667 nikia.panfilov@hikvision.ru

Hikvision Vietnam T +84-974270888 sales.vt@hikvision.com HIkvision UAE T+971-4-4432090 salesme@hikvision.com

Hikvision Singapore T+65-6684-4718 sg@hikvision.com

Hlkvision Spain T+34-91-737-16-55 info.es@hikvision.com

Hikvision Tashkent T +99-87-1238-9438 uzb@hikvision.ru

Hikvision Hong Kong T +852-2151-1761 info.hk@hikvision.com Hikvision Russia T +7-495-669-67-99 saleru@hikvision.com

Hikvision Korea T +82-{0}31-731-8817 sales.korea@hikvision.com

Hikvision Poland T +48-22-460-01-50 into.pl@hikvision.com

Hikvision Indonesia T +62-21-2933759 Sales.Indonesia@hikvision.com

Hikvision Colombia sales.colombia@hikvision.com