

HM-TD2638-35/G0/T1Y Thermal & Optical Bi-spectrum Network Bullet Camera















HM-TD2638-35/G0/T1Y Anti-corrosion Bi-spectrum Network Bullet Camera is applied to perimeter protection and fire-prevention purposes in critical infrastructures such as: airport, railway, prison, power station, 4S stores, and so on. With the vanadium oxide uncooled focal plane sensor, it enhances the thermal image quality. It adopts anti-corrosion coating to meet the requirements of used in anti-corrosion environment.

- 384 × 288 resolution, 12 μm, VOx UFPA, NETD ≤ 20 mK (25°C, F1.0)
- Video content analysis: vehicle/human classification
- Temperature exception alarm for fire prevention, -20°C to 150°C (-4°F to 302°F), ± 8°C (± 14.4°F)
- Fire detection Algorithm
- Support sun-reflection filter algorithm
- Buit-in TPM2.0 encryption module for cybersecurity
- Image processing technology: linear, histogram, self-adaptive thermal AGC mode, DDE, 3D DNR
- High quality detector with 10 years guarantee



Specification

Resolution 384 x 288 Pixel Pitch 12 μm NETD ≤ 20 mK (@25° C,F# = 1.0) Focal Length 35 mm IFOV 0.34 mrad Aperture F1.0 Field of View 7.5° x 5.6° (H x V) Min. Focusing Distance 45 m Digital Zoom x2, x4, x8 Optical Module Image Sensor 1/2.7" Progressive Scan CMOS Resolution 2688 x 1520 Min. Illumination 0.0099Lux @(F1.6,AGC ON), 0 Lux with IR Field of View 24.6° x 14° (H x V) Focal Length 12.4 mm Shutter Speed 1 s to 1/100,000 s White Balance MWB/AWB1/Locked WB/Fluorescent Lamp/Incandescent Lamp/Warm Light Lamp/Natural Light Day & Night Mode IR Cut Filter with Auto Switch WDR 120 dB Image Effect Bi-spectrum Image Fusion Display the details of optical channel on thermal channel Picture in Picture Display partial image of thermal channel on the full screen of optical channel Target Coloration Yes. Supported in white hot and black hot mode. EIS Thermal channel supports EIS, exclusive with all smart functions Illuminator IR Distance Up to 100 m IR Intensity and Angle Automatically adjusted	Thermal Module			
Pixel Pitch 12 μm NETD ≤ 20 mK (@25° C,F# = 1.0) Focal Length 35 mm IFOV 0.34 mrad Aperture F1.0 F1.0 7.5° × 5.6° (H × V) Min. Focusing Distance 45 m Digital Zoom ×2, ×4, ×8 Optical Module Image Sensor 1/2.7° Progressive Scan CMOS Resolution 2688 × 1520 Min. Illumination 0.0089Lux @(F1.6,AGC ON),0 Lux with IR Field of View 24.6° × 14° (H × V) Focal Length 12.4 mm Shutter Speed 1 s to 1/100,000 s White Balance 18 Cut Filter with Auto Switch WDR 120 dB Image Effect Bi-spectrum Image Fusion Display the details of optical channel on thermal channel Target Coloration Yes. Supported in white hot and black hot mode. EIS Thermal channel supports EIS, exclusive with all smart functions Illuminator IR Distance Up to 100 m IR Intensity and Angle Automatically adjusted 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.	Image Sensor	Vanadium Oxide Uncooled Focal Plane Arrays		
NETD 2 0 mK (@25° C,F# = 1.0) Focal Length 35 mm FOV 0.34 mrad Aperture F1.0 Field of View 7.5° × 5.6° (H × V) Min. Focusing Distance 45 m Digital Zoom ×2, ×4, ×8 Optical Module Image Sensor 1/2.7" Progressive Scan CMOS Resolution 2688 × 1520 Min. Illumination 0.0089Lux @(F1.6,AGC ON),0 Lux with IR Field of View 24.6° × 14° (H × V) Focal Length 12.4 mm Shutter Speed 1 s to 1/100,000 s White Balance MWB/AWB1/Locked WB/Fluorescent Lamp/Incandescent Lamp/Warm Light Lamp/Natural Light Day & Night Mode IR Cut Filter with Auto Switch Day & Night Mode IR Cut Filter with Auto Switch Bi-spectrum Image Fusion Display the details of optical channel on thermal channel Picture in Picture Display partial image of thermal channel on the full screen of optical channel Target Coloration Yes. Supported in white hot and black hot mode. EIS Thermal channel supports EIS, exclusive with all smart functions Illuminator IR Intensity and Angle Automatically adjusted Smart Function YCA 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.	Resolution	384 x 288		
Focal Length 35 mm IFOV 0.34 mrad Aperture F1.0 Field of View 7.5° × 5.6° (H × V) Min. Focusing Distance 45 m Digital Zoom ×2, ×4, ×8 Optical Module Image Sensor 1/2.7° Progressive Scan CMOS Resolution 2688 × 1520 Min. Illumination 0.0089 Lux @(F1.6,AGC ON), 0 Lux with IR Field of View 24.6° × 14° (H × V) Focal Length 12.4 mm Shutter Speed 1 s to 1/100,000 s White Balance MWB/AWB1/Locked WB/Fluorescent Lamp/Incandescent Lamp/Warm Light Lamp/Natural Light Day & Night Mode IR Cut Filter with Auto Switch WDR 120 dB Ilmage Effect Bi-spectrum Image Fusion Display the details of optical channel on thermal channel Picture in Picture Display partial image of thermal channel on the full screen of optical channel Target Coloration Yes. Supported in white hot and black hot mode. EIS Thermal channel supports EIS, exclusive with all smart functions Illuminator IR Distance Up to 100 m IR Intensity and Angle Automatically adjusted 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.	Pixel Pitch	12 μm		
FOV 0.34 mrad	NETD	≤ 20 mK (@25° C,F# = 1.0)		
Aperture F1.0 Field of View 7.5° × 5.6° (H × V) Min. Focusing Distance 45 m Digital Zoom ×2, ×4, ×8 Optical Module Image Sensor 1/2.7° Progressive Scan CMOS Resolution 2688 × 1520 Min. Illumination 0.0089 Lux @(F1.6,AGC ON),0 Lux with IR Field of View 24.6° × 14° (H × V) Focal Length 12.4 mm Shutter Speed 1 s to 1/100,000 s White Balance MWB/AWB1/Locked WB/Fluorescent Lamp/Incandescent Lamp/Warm Light Lamp/Natural Light Day & Night Mode IR Cut Filter with Auto Switch WDR 120 dB Image Effect Bi-spectrum Image Fusion Display the details of optical channel on thermal channel Picture in Picture Display partial image of thermal channel on the full screen of optical channel Target Coloration Yes. Supported in white hot and black hot mode. EIS Thermal channel supports EIS, exclusive with all smart functions Illuminator IR Distance Up to 100 m IR Intensity and Angle Automatically adjusted 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.	Focal Length	35 mm		
Field of View 7.5° × 5.6° (H × V) Min. Focusing Distance 45 m Digital Zoom ×2, ×4, ×8 Optical Module Image Sensor 1/2.7° Progressive Scan CMOS Resolution 2688 × 1520 Min. Illumination 0.0089Lux @(F1.6,AGC ON), 0 Lux with IR Field of View 24.6° × 14° (H × V) Focal Length 12.4 mm Shutter Speed 1 s to 1/100,000 s White Balance MWB/AWB1/Locked WB/Fluorescent Lamp/Incandescent Lamp/Warm Light Lamp/Natural Light Day & Night Mode IR Cut Filter with Auto Switch WDR 120 dB Image Effect Bi-spectrum Image Fusion Display the details of optical channel on thermal channel Picture in Picture Display partial image of thermal channel on the full screen of optical channel Target Coloration Yes. Supported in white hot and black hot mode. EIS Thermal channels supports EIS, exclusive with all smart functions Illuminator IR Distance Up to 100 m IR Intensity and Angle Automatically adjusted 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,	IFOV			
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Digital Zoom X2, X4, X8	Field of View	7.5° × 5.6° (H × V)		
Optical Module Image Sensor Resolution 2688 × 1520 Min. Illumination 0.0089Lux @(F1.6,AGC ON) ,0 Lux with IR Field of View 24.6° × 14° (H × V) Focal Length 12.4 mm Shutter Speed 1 s to 1/100,000 s White Balance MWB/AWB1/Locked WB/Fluorescent Lamp/Incandescent Lamp/Warm Light Lamp/Natural Light Day & Night Mode IR Cut Filter with Auto Switch WDR 120 dB Image Effect Bi-spectrum Image Fusion Picture in Picture Display partial image of thermal channel on the full screen of optical channel Target Coloration Yes. Supported in white hot and black hot mode. EIS Thermal channel supports EIS, exclusive with all smart functions Illuminator IR Distance Up to 100 m IR Intensity and Angle 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.)	Min. Focusing Distance	45 m		
Image Sensor Resolution 2688 × 1520 Min. Illumination 0.0089Lux @(F1.6,AGC ON),0 Lux with IR Field of View 24.6° × 14° (H × V) Focal Length 12.4 mm Shutter Speed 1 s to 1/100,000 s White Balance MWB/AWB1/Locked WB/Fluorescent Lamp/Incandescent Lamp/Warm Light Lamp/Natural Light Day & Night Mode IR Cut Filter with Auto Switch WDR 120 dB Image Effect Bi-spectrum Image Fusion Display the details of optical channel on thermal channel Picture in Picture Display partial image of thermal channel on the full screen of optical channel Target Coloration Yes. Supported in white hot and black hot mode. EIS Thermal channel supports EIS, exclusive with all smart functions Illuminator IR Distance Up to 100 m IR Intensity and Angle Automatically adjusted 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,	Digital Zoom	×2, ×4, ×8		
Resolution 2688 × 1520 Min. Illumination 0.0089Lux @(F1.6,AGC ON) ,0 Lux with IR Field of View 24.6° × 14° (H × V) Focal Length 12.4 mm Shutter Speed 1 s to 1/100,000 s White Balance MWB/AWB1/Locked WB/Fluorescent Lamp/Incandescent Lamp/Warm Light Lamp/Natural Light Day & Night Mode IR Cut Filter with Auto Switch WDR 120 dB Image Effect Bi-spectrum Image Fusion Display the details of optical channel on thermal channel Picture in Picture Display partial image of thermal channel on the full screen of optical channel Target Coloration Yes. Supported in white hot and black hot mode. EIS Thermal channel supports EIS, exclusive with all smart functions Illuminator IR Distance Up to 100 m IR Intensity and Angle Automatically adjusted 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.)	Optical Module			
Min. Illumination 0.0089Lux @(F1.6,AGC ON) ,0 Lux with IR Field of View 24.6° × 14° (H × V) Focal Length 12.4 mm Shutter Speed 1 s to 1/100,000 s White Balance MWB/AWB1/Locked WB/Fluorescent Lamp/Incandescent Lamp/Warm Light Lamp/Natural Light Day & Night Mode IR Cut Filter with Auto Switch WDR 120 dB Image Effect Bi-spectrum Image Fusion Display the details of optical channel on thermal channel Picture in Picture Display partial image of thermal channel on the full screen of optical channel Target Coloration Yes. Supported in white hot and black hot mode. EIS Thermal channel supports EIS, exclusive with all smart functions Illuminator IR Distance Up to 100 m IR Intensity and Angle Automatically adjusted 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.)	Image Sensor	1/2.7" Progressive Scan CMOS		
Field of View 24.6° × 14° (H × V) Focal Length 12.4 mm Shutter Speed 1 s to 1/100,000 s White Balance MWB/AWB1/Locked WB/Fluorescent Lamp/Incandescent Lamp/Warm Light Lamp/Natural Light Day & Night Mode IR Cut Filter with Auto Switch WDR 120 dB Image Effect Bi-spectrum Image Fusion Display the details of optical channel on thermal channel Picture in Picture Display partial image of thermal channel on the full screen of optical channel Target Coloration Yes. Supported in white hot and black hot mode. EIS Thermal channel supports EIS, exclusive with all smart functions Illuminator IR Distance Up to 100 m IR Intensity and Angle Automatically adjusted 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,	Resolution	2688 × 1520		
Focal Length Shutter Speed 1 s to 1/100,000 s White Balance White Balance Brown MWB/AWB1/Locked WB/Fluorescent Lamp/Incandescent Lamp/Warm Light Lamp/Natural Light Day & Night Mode IR Cut Filter with Auto Switch WDR 120 dB Image Effect Bi-spectrum Image Fusion Display the details of optical channel on thermal channel Picture in Picture Display partial image of thermal channel on the full screen of optical channel Target Coloration Yes. Supported in white hot and black hot mode. EIS Thermal channle supports EIS, exclusive with all smart functions Illuminator IR Distance Up to 100 m IR Intensity and Angle Automatically adjusted 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,	Min. Illumination	0.0089Lux @(F1.6,AGC ON) ,0 Lux with IR		
Shutter Speed 1 s to 1/100,000 s White Balance	Field of View	24.6° × 14° (H × V)		
MWB/AWB1/Locked WB/Fluorescent Lamp/Incandescent Lamp/Warm Light Lamp/Natural Light Day & Night Mode IR Cut Filter with Auto Switch WDR 120 dB Image Effect Bi-spectrum Image Fusion Display the details of optical channel on thermal channel Picture in Picture Display partial image of thermal channel on the full screen of optical channel Target Coloration Yes. Supported in white hot and black hot mode. EIS Thermal channel supports EIS, exclusive with all smart functions Illuminator IR Distance Up to 100 m IR Intensity and Angle Automatically adjusted 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.	Focal Length	12.4 mm		
White Balance Lamp/Natural Light Day & Night Mode IR Cut Filter with Auto Switch WDR 120 dB Image Effect Bi-spectrum Image Fusion Display the details of optical channel on thermal channel Picture in Picture Display partial image of thermal channel on the full screen of optical channel Target Coloration Yes. Supported in white hot and black hot mode. EIS Thermal channel supports EIS, exclusive with all smart functions Illuminator IR Distance Up to 100 m IR Intensity and Angle Automatically adjusted 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,	Shutter Speed	1 s to 1/100,000 s		
Lamp/Natural Light Day & Night Mode IR Cut Filter with Auto Switch WDR 120 dB Image Effect Bi-spectrum Image Fusion Display the details of optical channel on thermal channel Picture in Picture Display partial image of thermal channel on the full screen of optical channel Target Coloration Yes. Supported in white hot and black hot mode. EIS Thermal channel supports EIS, exclusive with all smart functions Illuminator IR Distance Up to 100 m IR Intensity and Angle Automatically adjusted 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,	WI :: B I	MWB/AWB1/Locked WB/Fluorescent Lamp/Incandescent Lamp/Warm Light		
Image Effect Bi-spectrum Image Fusion Display the details of optical channel on thermal channel Picture in Picture Display partial image of thermal channel on the full screen of optical channel Target Coloration Yes. Supported in white hot and black hot mode. EIS Thermal channel supports EIS, exclusive with all smart functions Illuminator IR Distance Up to 100 m IR Intensity and Angle Automatically adjusted 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,	writte balance	Lamp/Natural Light		
Image Effect Bi-spectrum Image Fusion Display the details of optical channel on thermal channel Picture in Picture Display partial image of thermal channel on the full screen of optical channel Target Coloration Yes. Supported in white hot and black hot mode. EIS Thermal channel supports EIS, exclusive with all smart functions Illuminator IR Distance Up to 100 m IR Intensity and Angle Automatically adjusted 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,	Day & Night Mode	IR Cut Filter with Auto Switch		
Bi-spectrum Image Fusion Display the details of optical channel on thermal channel Display partial image of thermal channel on the full screen of optical channel Target Coloration Yes. Supported in white hot and black hot mode. EIS Thermal channel supports EIS, exclusive with all smart functions Illuminator IR Distance Up to 100 m IR Intensity and Angle Automatically adjusted 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,	WDR	120 dB		
Picture in Picture Display partial image of thermal channel on the full screen of optical channel Yes. Supported in white hot and black hot mode. EIS Thermal channle supports EIS, exclusive with all smart functions Illuminator IR Distance Up to 100 m IR Intensity and Angle Automatically adjusted 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,	Image Effect			
Target Coloration Yes. Supported in white hot and black hot mode. Thermal channle supports EIS, exclusive with all smart functions Illuminator IR Distance Up to 100 m IR Intensity and Angle Automatically adjusted 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,	Bi-spectrum Image Fusion	Display the details of optical channel on thermal channel		
Thermal channle supports EIS, exclusive with all smart functions Illuminator	Picture in Picture	Display partial image of thermal channel on the full screen of optical channel		
IR Distance Up to 100 m IR Intensity and Angle Automatically adjusted 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,	Target Coloration	Yes. Supported in white hot and black hot mode.		
IR Distance Up to 100 m IR Intensity and Angle Automatically adjusted 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,	EIS	Thermal channle supports EIS, exclusive with all smart functions		
IR Intensity and Angle Automatically adjusted 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,	Illuminator			
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,	IR Distance	Up to 100 m		
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,	IR Intensity and Angle	Automatically adjusted		
vcA up to 8 vcA rules in total. 3 temperature measurement rule types, 21 rules in total (10 points, 10 areas,	Smart Function			
up to 8 VCA rules in total. 3 temperature measurement rule types, 21 rules in total (10 points, 10 areas,	VCA	4 VCA rule types (line crossing, intrusion, region entrance, and region exiting),		
3 temperature measurement rule types, 21 rules in total (10 points, 10 areas,	VOA	up to 8 VCA rules in total.		
	Tomporatura Massarramant	3 temperature measurement rule types, 21 rules in total (10 points, 10 areas,		
and 1 line)	remperature ivicasurement	and 1 line)		
Temperature Range -20 °C to 150 °C (-4 °F to 302 °F)	Temperature Range	-20 °C to 150 °C (-4 °F to 302 °F)		
Temperature Accuracy ± 8 °C (±14.4 °F)	Temperature Accuracy	± 8 °C (±14.4 °F)		
Fire Detection Dynamic fire detection, up to 10 fire points detectable	Fire Detection	Dynamic fire detection, up to 10 fire points detectable		



Video and Audio			
Main Stream	Optical channel 50 HZ: 25 fps (2688 × 1520, 1920 × 1080, 1280 × 720) 60 HZ: 30 fps (2688 × 1520, 1920 × 1080, 1280 × 720) Thermal channel 25 fps (1280×720P, 704×576, 352×288, 384×288)		
Sub-stream	Optical channel 50 HZ: 25 fps (704 × 576, 352 × 288) 60 HZ: 30 fps (704 × 480, 352 × 240) Thermal channel 25 fps (704 × 576, 352 × 288, 384 × 288)		
Video Compression	Main Stream: H.265/H.264 Sub-Stream: H.265/H.264/MJPEG		
Audio Compression	G.722.1/G.711ulaw/G.711alaw/MP2L2/G.726/PCM		
Video and Image			
Color Palettes	17 types (White hot, Black hot, Fusion 1, Rainbow, Fusion 2, Ironbow 1, Ironbow 2, Sepia, Color 1, Color 2, Ice fire, Rain, Red hot, Green hot, Dark blue, Winter, Summer)		
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,TP,Bonjour,SFTP,SRTP,TLS		
Network Storage	MicroSD/SDHC/SDXC card (up to 512 G) local storage, NAS (NFS, SMB/CIFS), Auto Network Replenishment (ANR)		
API	ISAPI,ISUP, HIKVISION SDK, and third-party management platform, Open Network Video Interface,ONVIF (Profile S, Profile G, Profile T)		
Simultaneous Live View	Up to 20 channels		
User/Host level	Up to 32 users, 3 levels: Administrator, Operator, User		
Security	User authentication (ID and password), MAC address binding, HTTPS encryption, IEEE 802.1x access control, IP address filtering		
Client	iVMS-4200, Hik-Connect		
Interface			
Alarm Input	2, alarm input (0-5 VDC)		
Alarm Output	2-ch, relay outputs (alarm response actions configurable)		
Alarm Action	SD recording/Relay output/Smart capture/FTP upload/Email linkage		
Audio Input	1, 3.5 mm Mic in/Line in interface Line input: 2 - 2.4 V [p-p], output impedance: 1 K Ω ± 10%		
Audio Output	Linear level, impedance: $600~\Omega$		
Communication Interface	1, RJ45 10 M/100 M Self-adaptive Ethernet interface. 1, RS-485 interface (half duplex)		
Analog Output	1.0V [p-p]/75Ω, PAL/NTSC/BNC		



General			
Menu Language	32 languages English, Russian, Estonian, Bulgarian, Hungarian, Greek, German, Italian, Czech, Slovak, French, Polish, Dutch, Portuguese, Spanish, Romanian, Danish, Swedish, Norwegian, Finnish, Croatian, Slovenian, Serbian, Turkish, Korean, Traditional Chinese, Thai, Vietnamese, Japanese, Latvian, Lithuanian, Portuguese (Brazil)		
Power Supply	24 VAC ± 25%, 12 VDC ± 25%,24VDC two-core terminal block PoE (802.3af, class 3)		
Power Consumption	24 VAC ± 25%: 0.33 A to 0.55 A, max. 12.1W 12 VDC ± 25%: 0.8 A to 1.33 A, max. 11.3W PoE (802.3af, class 3): 36 V to 57 V, 0.33 A to 0.21 A, max. 11.8W		
Working Temperature/Humidity	Temperature: -40°C to 70°C (-40°F to 158°F) Humidity: 95% or less		
Protection Level	IP67 Standard TVS 4000V lightning protection, surge protection, voltage transient protection IK10-rated housing NEMA 4X anti-corrosion housing		
Dimensions	376.1 mm × 119.1 mm × 118.1 mm (14.81" × 4.68" × 4.65")		
Weight	1.82 kg (4.01 lb)		
Detection Range Table			
VCA Range for Humans	350 m		
VCA Range for Vehicles	1050 m		
Approval			
EMC	CE-EMC (EN 55032: 2015, EN 61000-3-2:2019, EN 61000-3-3: 2013+A1:2019, EN50130-4: 2011+A1: 2014); RCM (AS/NZS CISPR 32: 2015); IC (ICES-003: Issue 7)		
Safety	CB: IEC 62368-1: 2014+A11; CE-LVD: EN 62368-1: 2014/A11: 2017; BIS: IS 13252 (Part 1): 2010/ IEC 60950-1: 2005 LOA: SANS/IEC 60950-1		
Environment	CE-RoHS: 2011/65/EU, WEEE: 2012/19/EU, Reach: Regulation(EC) No 1907/2006		
Protection	IP67: IEC 60529-2013 IK10: IEC 62262-2002		
Anti-Corrosion Protection	NEMA 4X (NEMA 250-2018)		

Range Table

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

VCA Range	VCA Range	Temperature	Temperature	Fire Detection
(Vehicles: 1.4 × 4.0	(Humans: 1.8 × 0.5	Measurement	Measurement	(Object: 0.2 × 0.2 m)
m)	m)	(Object: 0.2 × 0.2 m)	(Object: 0.5 × 0.5 m)	(Object. 0.2 × 0.2 III)

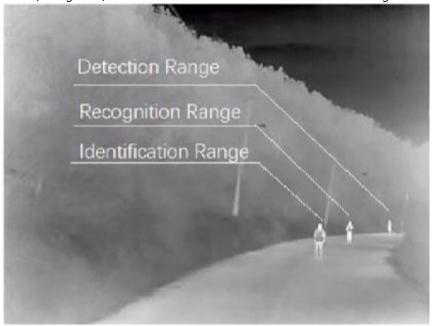


1050m	350m	116m	290m	240m

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*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)

Typical Application

HIKMICRO products are classified into three levels according to their anti-corrosion performance. Refer to the following description to choose for your using environment.

No products could be used under HYDROGEN FLUORIDE environment. This model has MODERATE PROTECTION.

Level	Description
Top-level Protection	HIKMICRO products at this level are equipped
	for use in areas where professional anti-corrosion
	protection is a must. Usually it is used in salt-spray and
	sulfur dioxide (with a concentration volume ratio of
	less than 0.67%) environment, such as chemical plants
	and coastal lines.
Moderate Protection	HIKMICRO products at this level are equipped for use
	in areas with moderate anti-corrosion demands.
	Typical application scenarios include coastal areas

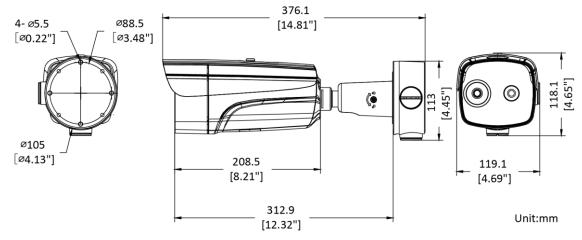


7	about 2 kilometers (1.24 miles) away from coastlines,
	as well as areas affected by acid rain.
	HIKMICRO products at this level are equipped for use
No Specific Protection	in areas where no specific anti-corrosion protection is
	needed.

Available Model

HM-TD2638-35/G0/T1Y

Dimension



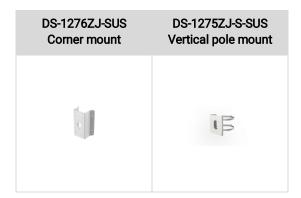
Accessory

Included





Optional



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.



