HM-TD1017-1/QW-HS111
Thermal Presence Detector

HIKMICRO thermal presence detector is designed for indoor usage. With thermal technology, it protects your privacy. The people number exception alert, offers you presence detection. The relay out can be linked for light, air condition system control to conserve energy. It is widely used in office, nursing room, meeting room, classroom, and library.

- 160× 120 resolution, 17 μm, VOx UFPA, NETD ＜ 50 mK (25°C, F1.2).

- People number exception and presence detection with thermal solution, protects your privacy.

- Healthy tracking detects specific groups' abnormal behavior like being out of bed to prevent accidents.

- Temperature exception alarm for fire prevention, -10°C to 200°C (14°F to 392°F), ± 8°C (± 14.4°F).

- Relay out for light, air-condition system control, conserves energy.

- 2.4GHz Wi-Fi, easy for set-up.

▪ Specification

Thermal Module	
Image Sensor	Vanadium Oxide Uncooled Focal Plane Arrays
Resolution	160 × 120
Pixel Pitch	17 μm
Spectral Range	8 μm to 14 μm
NETD	< 50 mK (25°C, F1.2)
Focal Length	1.31 mm
IFOV	11.33 mrad
Field of View	110° (H)x82° (V)
Min. Focusing Distance	0.1 m
Aperture	F1.2
Smart Function	
Temperature Range	-10°C to 200°C (14°F to 392°F)
Temperature Accuracy	± 8°C (± 14.4°F)
Video and Audio	
Main Stream	Thermal: 25 fps (1280 × 720, 704 × 576, 640 × 512, 320 × 240)
Sub-stream	Thermal: 25 fps (704 × 576, 352 × 288, 320 × 240)
Third Stream	Thermal: 25 fps (320 × 240, 352 × 288, 704 × 576, 1280 ×720)
Video Compression	H.265/H.264
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,Bonjour,SFTP,SRTP
Network Storage	MicroSD/SDHC/SDXC card (up to 256 G) local storage, NAS (NFS, SMB/CIFS), Auto Network Replenishment (ANR)
API	ISAPI, HIKVISION SDK, and third-party management platform, Open Network Video Interface (Profile S, Profile G)
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(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 +

Mobile Communication	
Wi-Fi	Wi-Fi standard: IEEE802.11b, 802.11g, 802.11n Frequency range: 2.4GHz~2.4835GHz Channel bandwith: Support 20MHz Security: 64/128-bit WEP, WPA/WPA2, WPA-PSK/WPA2-PSK
Interface	
Alarm Output	1, alarm output (alarm response actions configurable)
Alarm Action	SD recording/Relay output/Smart capture/FTP upload
Communication Interface	1, RS-485 interface (half duplex)
Reset Key	1 reset button built in the motherboard
General	
Web Client 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	5-16 VDC, type-C, PoE available (type-C to PoE convertor)
Power Consumption	5-16 VDC: 0.22-0.7 A, Max. 3.5 W
Working Temperature/Humidity	Temperature: -10°C to 50°C (14°F to 122°F) Humidity: 95% or less
Dimensions	φ70mm × 25 mm (φ2.75" × 0.98")
Weight	100 g (0.22 lb)

▪ Installation Recommendation

Installation Height (h)	Length (a)	Width (b)			
3.5m（max）	5.2m	3.9m			
3.0m	4.0m	3.0m			

Ceiling Mounting
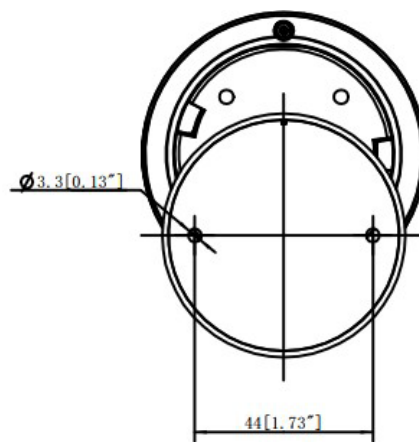
Installation
Height (h)

Width (b)

Detectable Area

Length (a)
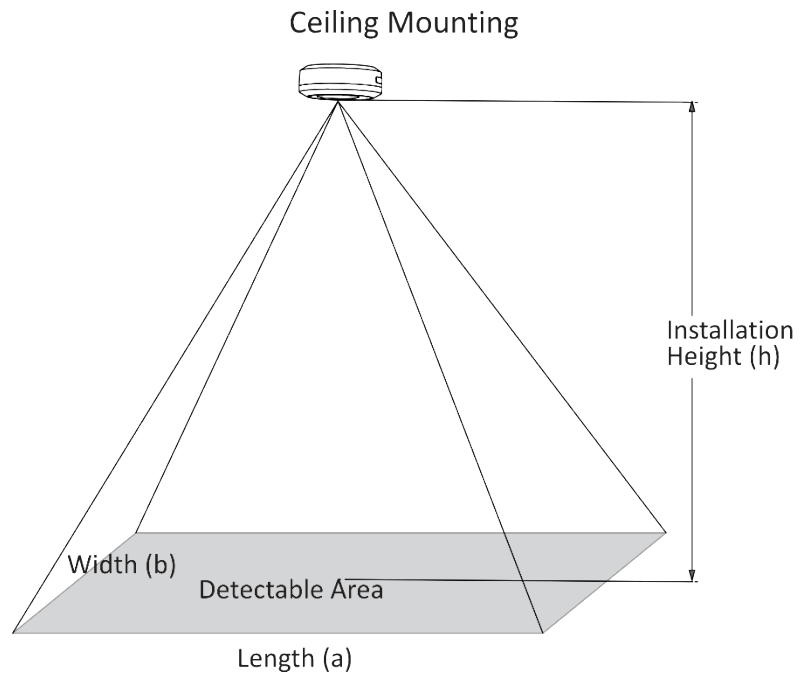
▪ Available Model

HM-TD1017-1/QW-HS111

HM-TD1017-1/QW-HS111(B)

▪Dimension

85[3.3"]

79.2[3.1"]

Ø3.3[0.13"]

44[1.73"]

Unit:mm(inch)

Ø70[2.75"]

26[1"]   Unit:mm(inch)

Ø70[2.75"]
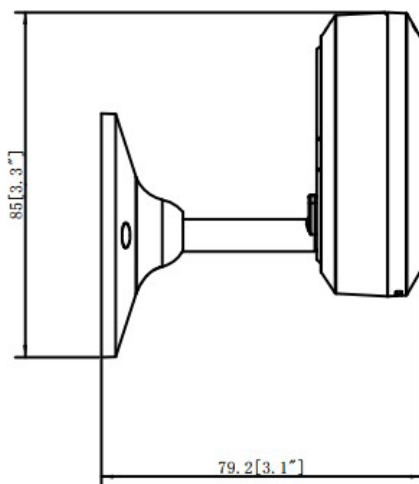
25[0.98"]   Unit:mm(inch)
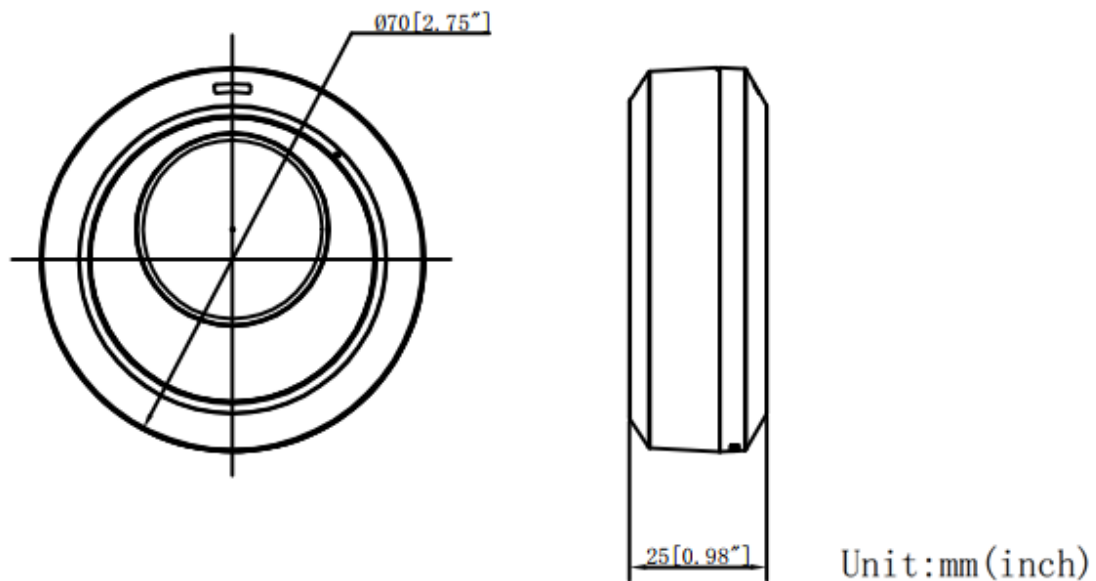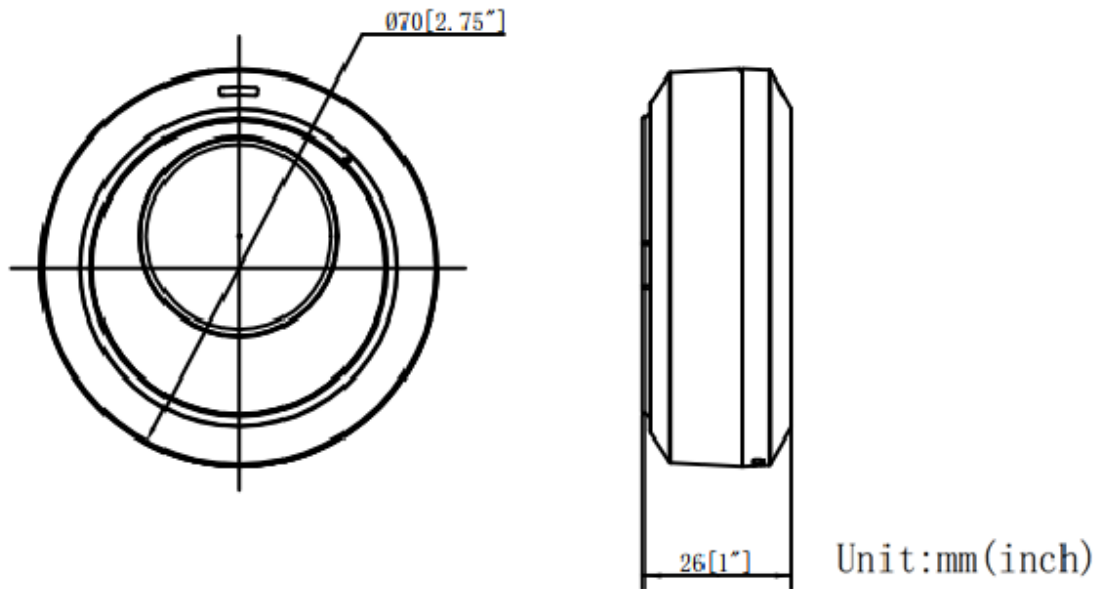
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