HM-TD2C68E-25/Q
Thermographic Network Box Camera

The Thermographic Network Box Camera with small size, low power consumption and simple integration realizes real-time high-accuracy object temperature measurement.

- High sensitivity sensor with 640 x 512 resolution

- Object temperature range: -20°C to 150°C (-4°F to 302°F),Max (±1 °C, ±1%); 0 °C to 650 °C (32°F to 1202 °F);,Max (±2 °C, ±2%)

- Temperature measurement at user-defined points, lines, and areas

- Thermal image frame rate: 50 fps

- A highlighted cross at the max. temperature in the thermal image

- Color alarm (isotherm) available for Above, Between, and Below object temperatures

- Support mirroring, digital zoom(2x,4x,8x)

Specification

Field of View	15cm: 17.5°(H) x 14°(V) x 22.3°(D)
	4.3cm: 17.9°(H) x 14.3°(V) x 23.0°(D)

Thermal Module

Image Sensor	Vanadium Oxide Uncooled Focal Plane Arrays
Resolution	640 x 512
Pixel Pitch	12 µm
NETD	≤ 35 mK （@25° C,F# = 1)
Focal Length	25 mm
Focus Mode	Athermalized
IFOV	0.48 mrad
Aperture	F 1.0
Min. Focusing Distance	0.15 m

Measurement and Analysis

Object Temperature Range	Range -20°C~150°C
	Range 0°C~650 °C
Temperature Accuracy	Range -20~150℃:
	-20~100℃:±1℃
	100~150℃:±1%
	Range 0~650℃
	0~100℃:±2℃
	100~650℃:±2%
Measurement Presets	Hot spot, cold spot in real time
Point	10 User Presets
Line	1 User Presets
Area	10 User Presets
Color Alarm (Isotherm)	Above/Between/Below

Thermographic Integration

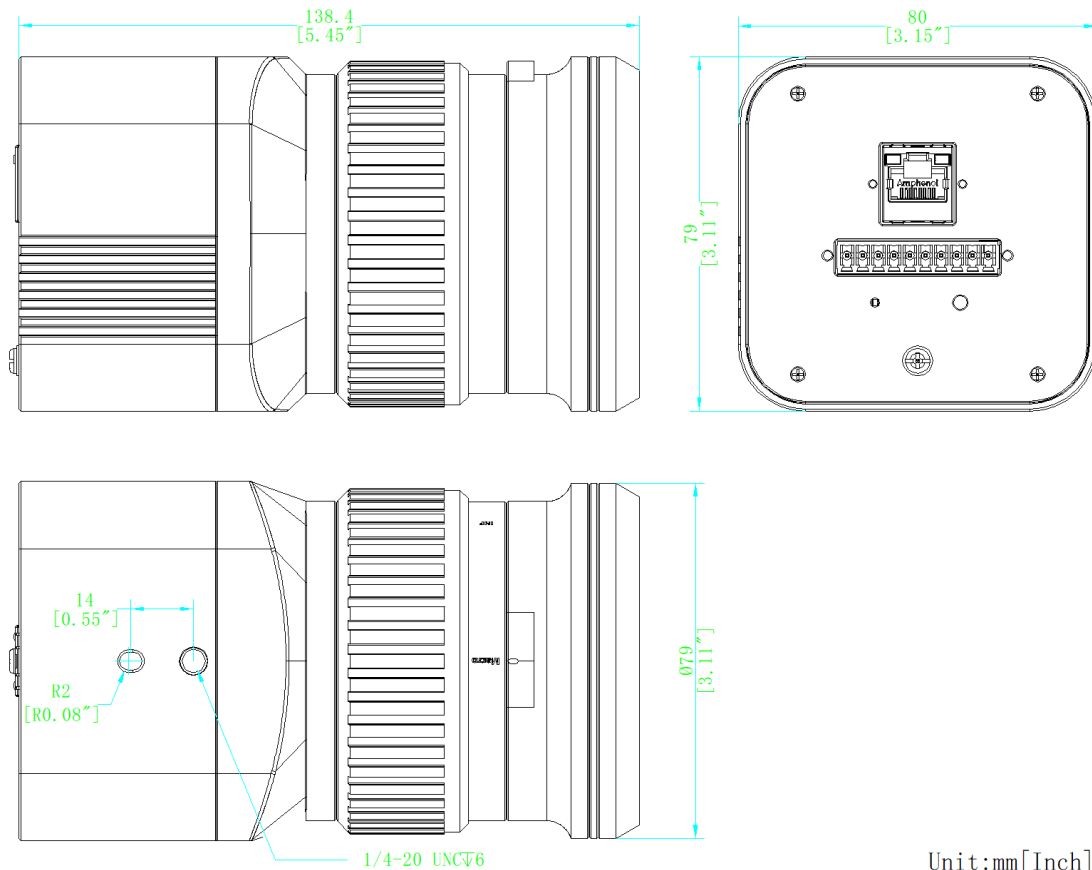| Temperature Metadata	Continuous output data of preset thermographic rules and measured temperature
Thermographic Data Encoding	4 fps, 32-bit 640 × 512 per frame

Thermographic Data Upload	Real-time full-screen thermographic data matrix (16-bit or 32-bit 640 × 512) via RTSP, ISAPI, and SDK
Raw Data Upload	Real-time full-screen YUV data via RTSP and SDK

Video and Image

Main Stream	50 fps (640 × 512)
Video Compression	H.265/H.264/MJPEG
Color Palettes	15 options: White Hot, Black Hot, Fusion 1, Rainbow, Fusion 2, Ironbow 1, Ironbow 2, Speia, Color 1, Color 2, Ice Fire, Rain, Red Hot, Green Hot, Dark Blue
Digital Zoom	2×, 4×, 8×

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	NAS (NFS, SMB/CIFS),
API	MODBUS, ISAPI, Network SDK, 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 PW), MAC address Binding, HTTPS Encryption, IEEE 802.1x(EAP-MD5, EAP-TLS), Access Control, IP Address Filtering, Illegal Login, HDD Full, HDD Error, Network Disconnected
Client	HIKMICRO Analyzer

Interface

Alarm Input	1, alarm input (0-3.3 VDC)
Alarm Output	1, alarm output; NC, level quantity
Alarm Action	Preset/patrol scan/alarm record/relay output/smart capture/FTP upload/email linkage
Communication Interface	1, RJ45 10 M/100 M/1000 M self-adaptive Ethernet interface 1, RS-485 interface (ModBus available)
Analog Output	1, CVBS output

General

Menu Language	English
Power Supply	10-30 VDC
Power Consumption	3W Max

Working Temperature/ Humidity	-20 °C to 50 °C (-4 °F to 122 °F) 90% or less
Protection Level	IP40
Dimensions	138.4 mm × 79 mm × 80 mm (5.44" x 3.11" x 3.15")
Mount	M3
Material	Aluminum alloy
Weight	Approx. 1000g (2.2 lb.)

▪ Available Model

HM-TD2C68E-25/Q

▪Dimension

Unit:mm[Inch]

▪ Accessory

▪ Optional

| HM-AFBR07 |
| Bracket for R&D Box |
| Camera |

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