



# HIKMICRO

## HM-TD2A37T-25/Q

### Thermographic Network Auto-Focus Box Camera



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

#### ▪ Features

- High sensitivity sensor with 384 x 288 resolution
- Object temperature range: -20°C to 150°C , 0 °C to 650 °C; Max ( $\pm 2$  °C,  $\pm 2\%$ )
- 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
- Support mirroring, digital zoom(2x,4x,8x)
- Supporting auto focus feature

## • Specification

Thermal Module	
Image Sensor	Vanadium Oxide Uncooled Focal Plane Arrays
Resolution	384 x 288
Pixel Pitch	17 $\mu$ m
NETD	$\leq 35$ mK (@25° C, F# = 1)
Focal Length	25 mm
Focus Mode	Semi-auto & Manual
IFOV	0.68 mrad
Aperture	F 1.0
Field of View	14.8° × 11.1° (H × V)
Min. Focusing Distance	0.5 m
Measurement and Analysis	
Object Temperature Range	-20°C to 150°C, 0°C to 650 °C
Temperature Accuracy	Max. ( $\pm 2^{\circ}\text{C}$ , $\pm 2\%$ )
Measurement Presets	3 temperature measurement rule types, 10 rules (max. 10 points, max.10 regions, and max. 1 line). *The total No. of rules enabled at the same time can't exceed 10.
Video and Image	
Main Stream	50 fps (384 × 288)
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×
Radiometric Capture	Yes
Radiometric Infrared-Video Streaming (Compressed)	Over RJ45, 384 x 256@50 fps
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,SRTSP
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 Studio

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	4.8W Max
Working Temperature/Humidity	-20 °C to 50 °C 90% or less
Protection Level	IP40
Dimensions	93 mm × 50 mm × 50 mm ( 3.66" x 1.97" x 1.97")
Mount	M3
Material	Aluminum alloy
Weight	Approx. 344 g (0.76 lb.)

## ▪ Appearance

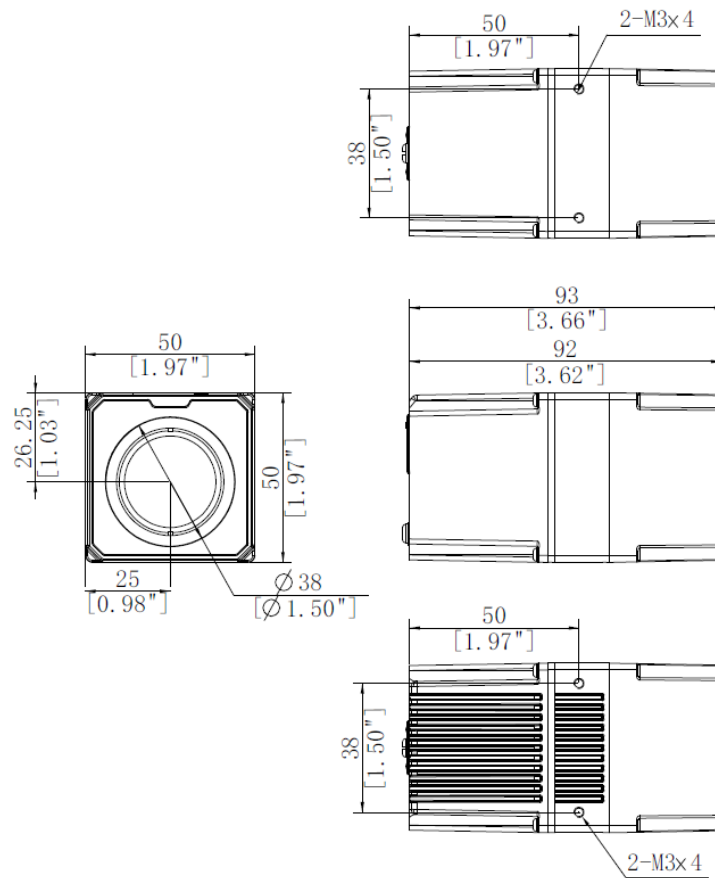




▪ **Available Model**

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## ▪ Dimension



Unit:mm[Inch]

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