



HIKMICRO

HM-TD2A37T-15/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 384 x 288 resolution
- Object temperature range: -20°C to 150°C (-4°F to 302°F), 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

Thermal Module	
Image Sensor	Vanadium Oxide Uncooled Focal Plane Arrays
Resolution	384 x 288
Pixel Pitch	17 μm
NETD	$\leq 35 \text{ mK}$ (@25° C, F# = 1)
Focal Length	15 mm
Focus Mode	Semi-auto & Manual, Athermalized
IFOV	1.13 mrad
Aperture	F 1.0
Field of View	25.3° × 18.9° (H × V)
Min. Focusing Distance	0.5 m
Measurement and Analysis	
Object Temperature Range	-20°C to 150°C (-4°F to 302°F), 0°C to 650 °C (32°F to 1202°F)
Temperature Accuracy	Max. ($\pm 2^\circ\text{C}$, $\pm 2\%$)
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 384 × 288 per frame
Thermographic Data Upload	Real-time full-screen thermographic data matrix (16-bit or 32-bit 384 × 288) 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 (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×
Network	
Protocols	IPv4/IPv6, HTTP, HTTPS, 802.1x, Qos, FTP, SMTP, UPnP, SNMP, DNS, DDNS, NTP, RTP, 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 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 (-4 °F to 122 °F) 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.)

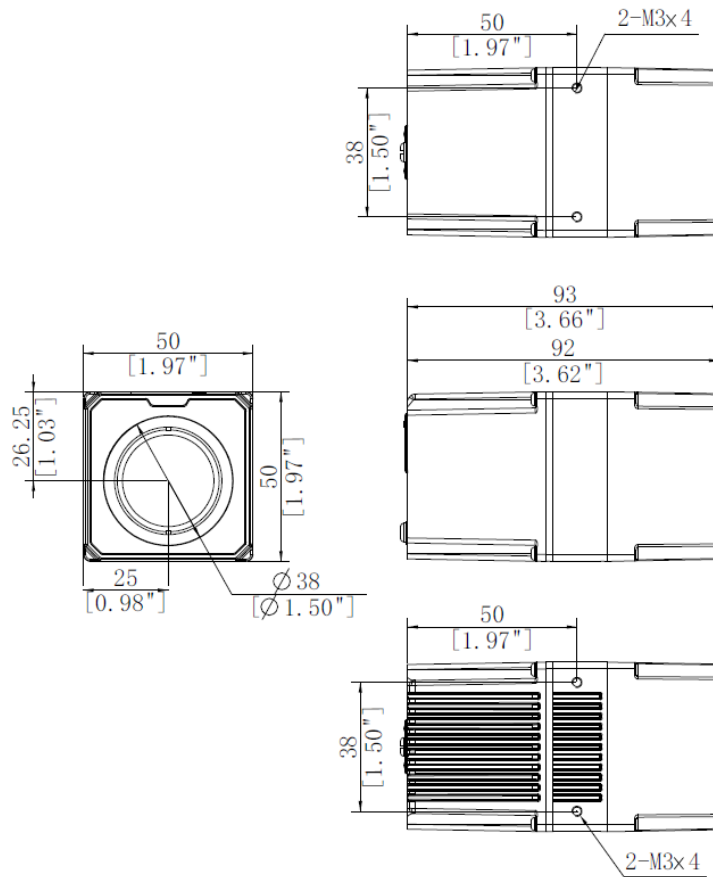
▪ Appearance



▪ Available Model

HM-TD2A37T-15/Q

▪ Dimension



Unit:mm[Inch]

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