HM-TD2037T-4/X
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.

- **Key Feature**
- 384 × 288 resolution, high sensitivity sensor
- Object temperature range: - 20 °C to 150 °C (- 4 °F to 302 °F), 0 °C to 550 °C (32 °F to 1022 °F); Max (± 2 °C, ± 2%)
- Temperature measurement at user-defined points, lines, and areas
- A highlighted cross at the max. temperature in the thermal image
- Thermal image frame rate: 50 fps
- Color alarm (isotherm) available for Above, Between, and Below object temperatures

▪ Specification

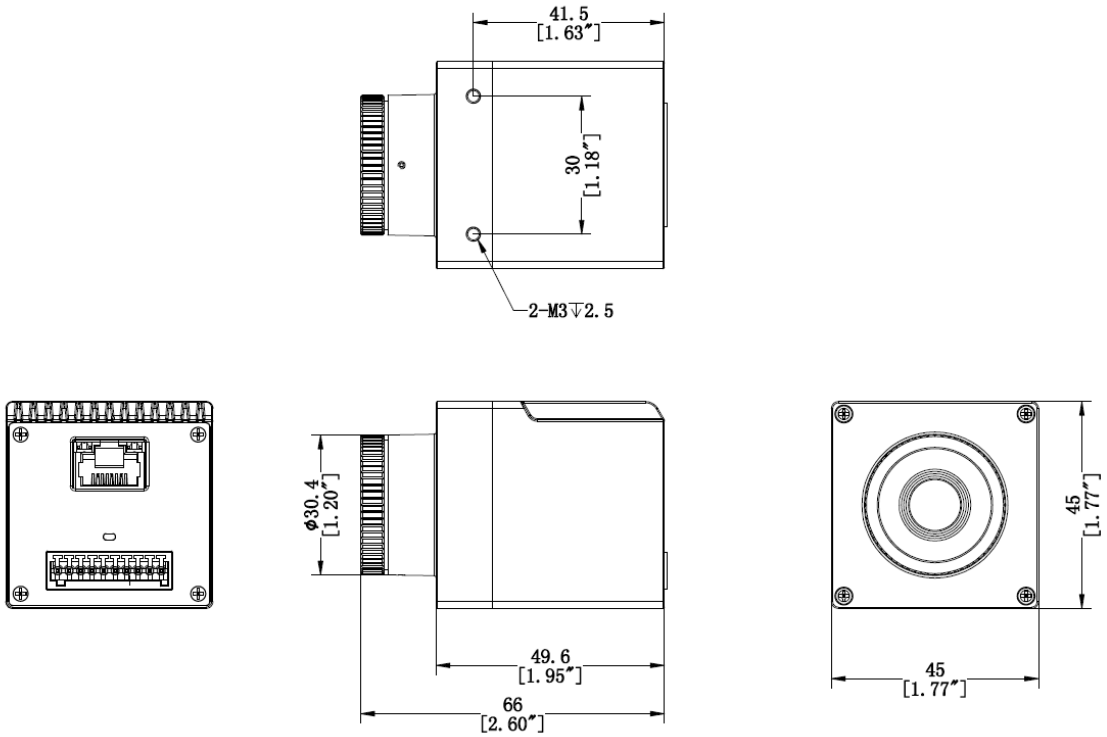
Thermal Module	
Image Sensor	Vanadium Oxide Uncooled Focal Plane Arrays
Resolution	384 × 288
Pixel Pitch	17 μm
Spectral Range	8 μm to 14 μm
NETD	< 35 mK (25 °C, F# = 1.0)
Focal Length	4.5 mm
IFOV	3.78 mrad
Field of View	90° × 65.2° (H x V)
Min. Focusing Distance	0.3 m
Aperture	F 1.0
Measurement and Analysis	
Object Temperature Range	- 20 °C to 150 °C (- 4 °F to 302 °F), 0 °C to 550 °C (32 °F to 1022 °F)
Temperature Accuracy	Max (± 2 °C, ± 2%)
Measurement Presets	Hot spot, cold spot in real time
Point	10 User Presets
Line	1 User Presets
Area	7 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.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 ×
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
Simultaneous Live View	Up to 6 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
Client	iVMS-4800
Interface	
Alarm Input	1, alarm input (0-3.3 VDC)
Alarm Output	1, alarm output; NC, level quantity

Analog Output	1, CVBS output
Communication Interface	1, RJ45 10 M/100 M self-adaptive Ethernet interface 1, RS-485 interface (ModBus available)
General	
Menu Language	English
Power Supply	10-30 VDC, Max. 2.3 W
Working Temperature/Humidity	- 20 °C to 50 °C (- 4 °F to 122 °F) 90% or less
Protection Level	IP40
Mount	M3
Weight	Approx. 140 g (0.31 lb)
Dimensions	67 mm × 45 mm × 45 mm (2.64" x 1.77" x 1.77")

▪ Available Model

HM-TD2037T-4/X

▪ Dimension



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Building A1, No. 299, Qiushi Road, Tonglu Economic Development Zone, Tonglu County, Hangzhou, Zhejiang

HM-TD2037T-7/X
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.

- **Key Feature**
- 384 × 288 resolution, high sensitivity sensor
- Object temperature range: - 20 °C to 150 °C (- 4 °F to 302 °F), 0 °C to 550 °C (32 °F to 1022 °F); Max (± 2 °C, ± 2%)
- Temperature measurement at user-defined points, lines, and areas
- A highlighted cross at the max. temperature in the thermal image
- Thermal image frame rate: 50 fps
- Color alarm (isotherm) available for Above, Between, and Below object temperatures

▪ Specification

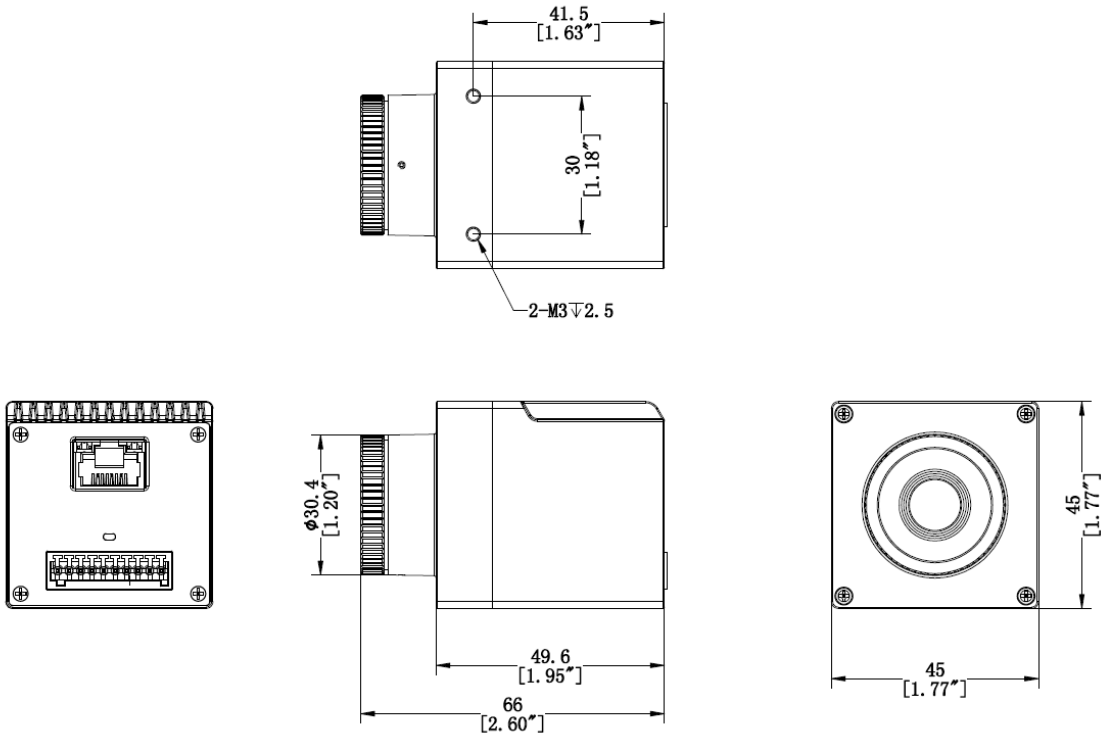
Thermal Module	
Image Sensor	Vanadium Oxide Uncooled Focal Plane Arrays
Resolution	384 × 288
Pixel Pitch	17 μm
Spectral Range	8 μm to 14 μm
NETD	< 35 mK (25 °C, F# = 1.0)
Focal Length	6.5 mm
IFOV	2.62 mrad
Field of View	60° × 44.1° (H x V)
Min. Focusing Distance	0.6 m
Aperture	F 1.0
Measurement and Analysis	
Object Temperature Range	- 20 °C to 150 °C (- 4 °F to 302 °F), 0 °C to 550 °C (32 °F to 1022 °F)
Temperature Accuracy	Max (± 2 °C, ± 2%)
Measurement Presets	Hot spot, cold spot in real time
Point	10 User Presets
Line	1 User Presets
Area	7 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.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 ×
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
Simultaneous Live View	Up to 6 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
Client	iVMS-4800
Interface	
Alarm Input	1, alarm input (0-3.3 VDC)
Alarm Output	1, alarm output; NC, level quantity

Analog Output	1, CVBS output
Communication Interface	1, RJ45 10 M/100 M self-adaptive Ethernet interface 1, RS-485 interface (ModBus available)
General	
Menu Language	English
Power Supply	10-30 VDC, Max. 2.3 W
Working Temperature/Humidity	- 20 °C to 50 °C (- 4 °F to 122 °F) 90% or less
Protection Level	IP40
Mount	M3
Weight	Approx. 140 g (0.31 lb)
Dimensions	67 mm × 45 mm × 45 mm (2.64" x 1.77" x 1.77")

▪ Available Model

HM-TD2037T-7/X

▪ Dimension



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Building A1, No. 299, Qiushi Road, Tonglu Economic Development Zone, Tonglu County, Hangzhou, Zhejiang

HM-TD2037T-10/X
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.

- **Key Feature**
- 384 × 288 resolution, high sensitivity sensor
- Object temperature range: - 20 °C to 150 °C (- 4 °F to 302 °F), 0 °C to 550 °C (32 °F to 1022 °F); Max (± 2 °C, ± 2%)
- Temperature measurement at user-defined points, lines, and areas
- A highlighted cross at the max. temperature in the thermal image
- Thermal image frame rate: 50 fps
- Color alarm (isotherm) available for Above, Between, and Below object temperatures

▪ Specification

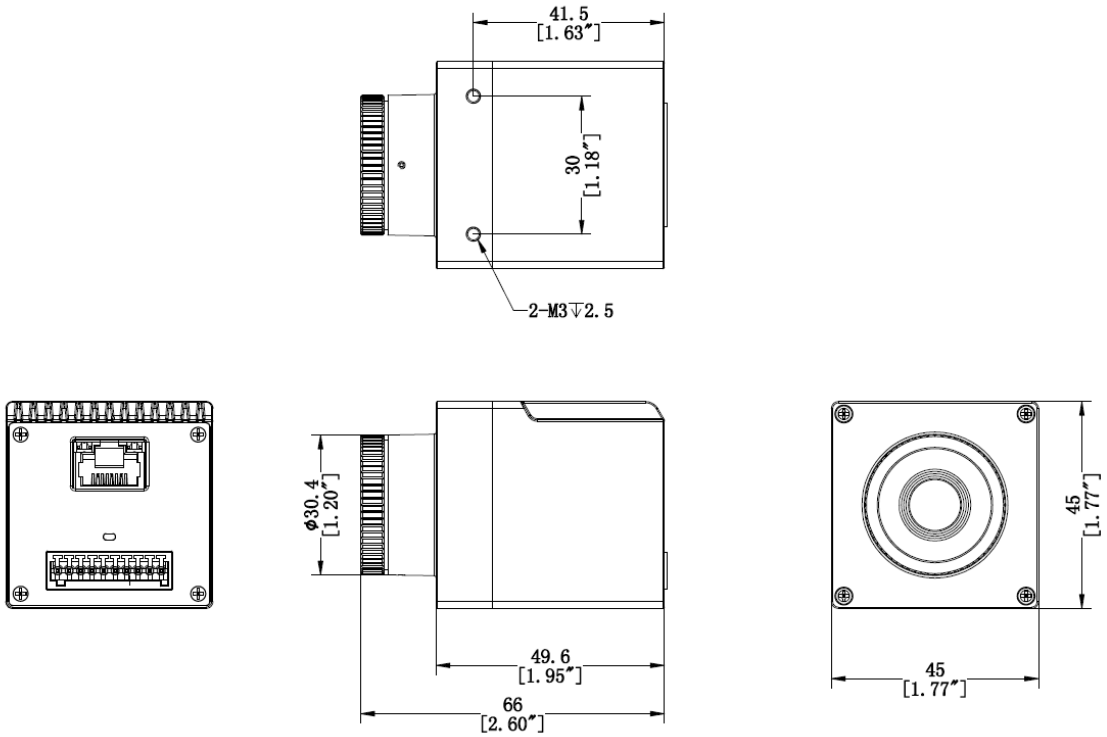
Thermal Module	
Image Sensor	Vanadium Oxide Uncooled Focal Plane Arrays
Resolution	384 × 288
Pixel Pitch	17 μm
Spectral Range	8 μm to 14 μm
NETD	< 35 mK (25 °C, F# = 1.0)
Focal Length	9.7 mm
IFOV	1.75 mrad
Field of View	37.5° × 28.5° (H x V)
Min. Focusing Distance	1.5 m
Aperture	F 1.0
Measurement and Analysis	
Object Temperature Range	- 20 °C to 150 °C (- 4 °F to 302 °F), 0 °C to 550 °C (32 °F to 1022 °F)
Temperature Accuracy	Max (± 2 °C, ± 2%)
Measurement Presets	Hot spot, cold spot in real time
Point	10 User Presets
Line	1 User Presets
Area	7 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.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 ×
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
Simultaneous Live View	Up to 6 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
Client	iVMS-4800
Interface	
Alarm Input	1, alarm input (0-3.3 VDC)
Alarm Output	1, alarm output; NC, level quantity
Analog Output	1, CVBS output

Communication Interface	1, RJ45 10 M/100 M self-adaptive Ethernet interface 1, RS-485 interface (ModBus available)
General	
Menu Language	English
Power Supply	10-30 VDC, Max. 2.3 W
Working Temperature/Humidity	- 20 °C to 50 °C (- 4 °F to 122 °F) 90% or less
Protection Level	IP40
Mount	M3
Weight	Approx. 140 g (0.31 lb)
Dimensions	67 mm × 45 mm × 45 mm (2.64" x 1.77" x 1.77")

▪ Available Model

HM-TD2037T-10/X

▪ Dimension



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Building A1, No. 299, Qiushi Road, Tonglu Economic Development Zone, Tonglu County, Hangzhou, Zhejiang

HM-TD2037T-15/X
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.

Key Features

- 384 × 288 resolution, high sensitivity sensor
- Object temperature range: -20°C to 150°C (-4°F to 302°F), 0°C to 550°C (32°F to 1022°F); Max. (± 2°C, ± 2%)
- Temperature measurement at user-defined points, lines, and areas
- A highlighted cross at the max. temperature in the thermal image
- Thermal image frame rate: 50 fps
- Color alarm (isotherm) available for Above, Between, and Below object temperatures

▪ Specification

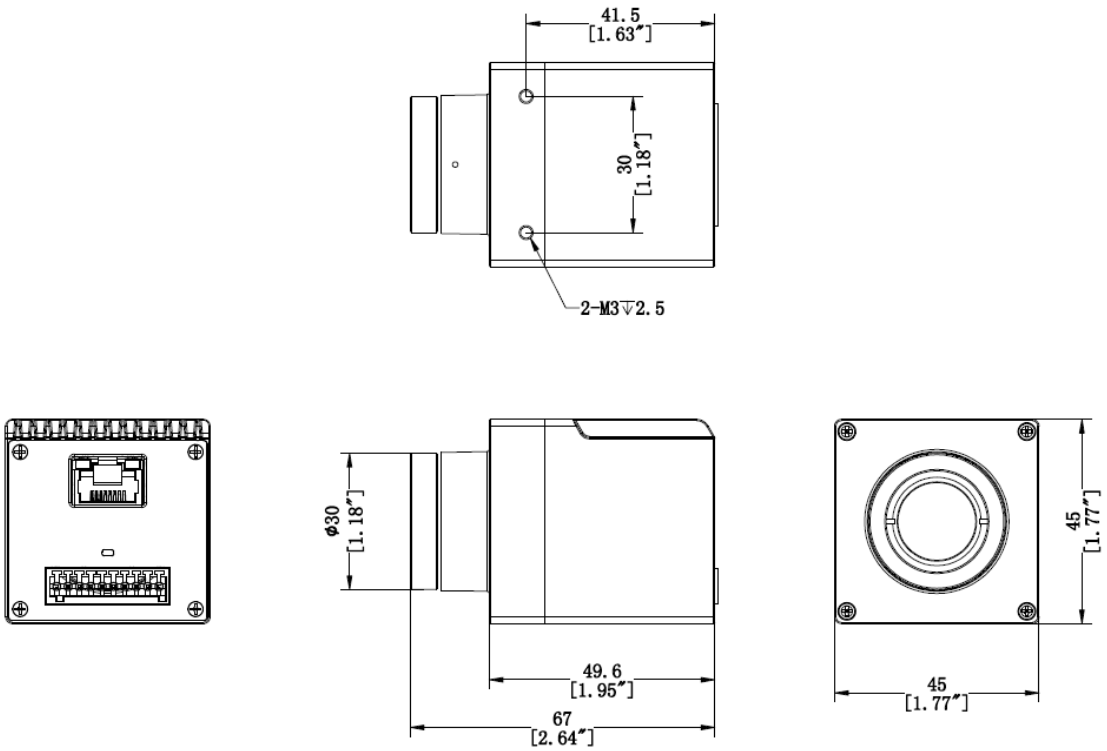
Thermal Module	
Image Sensor	Vanadium Oxide Uncooled Focal Plane Arrays
Resolution	384 × 288
Pixel Pitch	17 μm
Spectral Range	8 μm to 14 μm
NETD	< 35 mK (25°C, F# = 1.0)
Focal Length	15 mm
IFOV	1.13 mrad
Field of View	24.3° × 18.4° (H × V)
Min. Focusing Distance	3 m
Aperture	F1.0
Measurement and Analysis	
Object Temperature Range	-20°C to 150°C (-4°F to 302°F), 0°C to 550°C (32°F to 1022°F)
Temperature Accuracy	Max. (± 2°C, ± 2%)
Measurement Presets	Hot spot, cold spot in real time
Point	10 User Presets
Line	1 User Presets
Area	7 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.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
Network	
Protocols	IPv4/IPv6, HTTP, HTTPS, 802.1x, QoS, FTP, SMTP, UPnP, SNMP, DNS, DDNS, NTP, RTSP, RTP, TCP, UDP, IGMP, ICMP, DHCP
Simultaneous Live View	Up to 3 channels
User/Host level	Up to 32 users, 3 levels: Administrator, Operator, User
Security	User authentication (ID and PW), HTTPS encryption, IEEE 802.1x (EAP-MD5, EAP-TLS), access control, IP address filtering
Client	HIKMICRO Studio
Interface	
Alarm Input	1, alarm input (0 to 3.3 VDC)
Alarm Output	1, alarm output; NC, level quantity
Analog Output	1, CVBS output

Communication Interface	1, RJ45 10 M/100 M self-adaptive Ethernet interface 1, RS-485 interface (ModBus available)
General	
Menu Language	English
Power Supply	10 to 30 VDC, Max. 2.3 W
Working Temperature/Humidity	-20°C to 50°C (-4°F to 122°F) 90% or less
Protection Level	IP40
Mount	M3
Weight	Approx. 140 g (0.33 lb)
Dimensions	67 mm × 45 mm × 45 mm (2.64" × 1.77" × 1.77")

▪ Available Model

HM-TD2037T-15/X

▪Dimension



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Room 313, Unit B, Building 2, 399 Danfeng Road, Xixing Subdistrict,Binjiang District, Hangzhou, Zhejiang

HM-TD2037T-25/X
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.

Key Feature

- 384 × 288 resolution, high sensitivity sensor
- Object temperature range: -20°C to 150°C (-4°F to 302°F), 0°C to 550°C (32°F to 1022°F); Max. (± 2°C, ± 2%)
- Temperature measurement at user-defined points, lines, and areas
- A highlighted cross at the max. temperature in the thermal image
- Thermal image frame rate: 50 fps
- Color alarm (isotherm) available for Above, Between, and Below object temperatures

▪ Specification

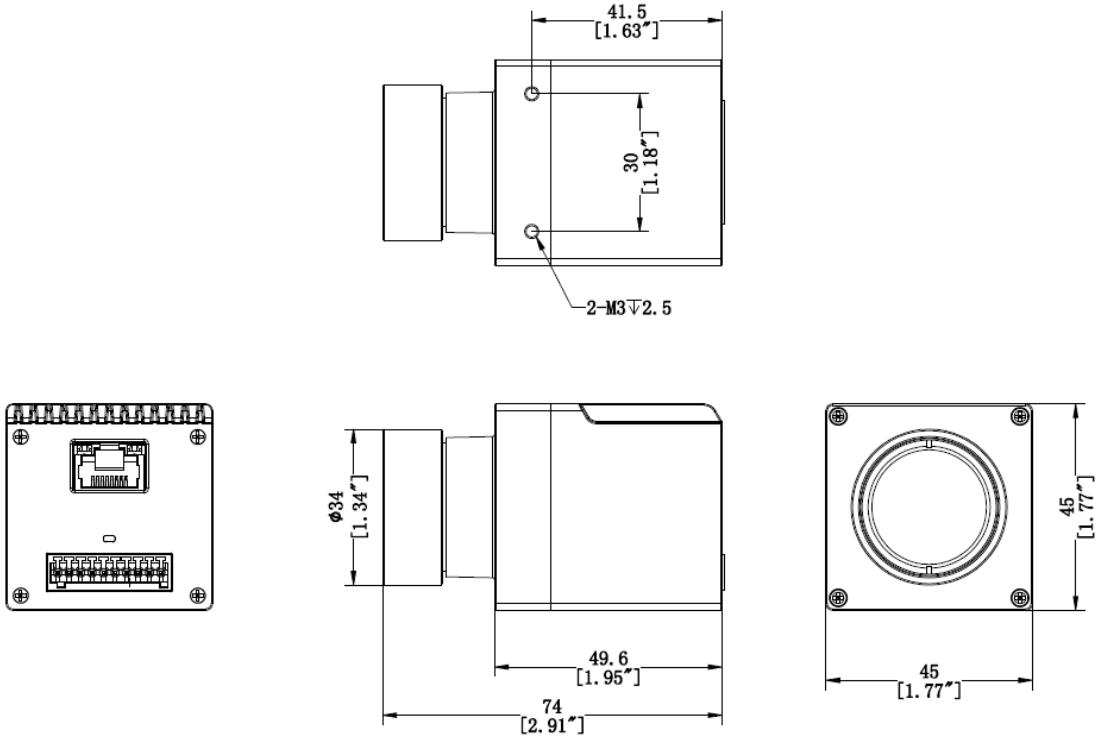
Thermal Module	
Image Sensor	Vanadium Oxide Uncooled Focal Plane Arrays
Resolution	384 × 288
Pixel Pitch	17 μm
Spectral Range	8 μm to 14 μm
NETD	< 35 mK (25°C, F# = 1.0)
Focal Length	25 mm
IFOV	0.68 mrad
Field of View	14.8° × 11.2° (H × V)
Min. Focusing Distance	5 m
Aperture	F1.0
Measurement and Analysis	
Object Temperature Range	-20°C to 150°C (-4°F to 302°F), 0°C to 550°C (32°F to 1022°F)
Temperature Accuracy	Max. (± 2°C, ± 2%)
Measurement Presets	Hot spot, cold spot in real time
Point	10 User Presets
Line	1 User Presets
Area	7 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.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
Network	
Protocols	IPv4/IPv6, HTTP, HTTPS, 802.1x, QoS, FTP, SMTP, UPnP, SNMP, DNS, DDNS, NTP, RTSP, RTP, TCP, UDP, IGMP, ICMP, DHCP
Simultaneous Live View	Up to 3 channels
User/Host level	Up to 32 users, 3 levels: Administrator, Operator, User
Security	User authentication (ID and PW), HTTPS encryption, IEEE 802.1x (EAP-MD5, EAP-TLS), access control, IP address filtering
Client	HIKMICRO Studio
Interface	
Alarm Input	1, alarm input (0 to 3.3 VDC)
Alarm Output	1, alarm output; NC, level quantity
Analog Output	1, CVBS output

Communication Interface	1, RJ45 10 M/100 M self-adaptive Ethernet interface 1, RS-485 interface (ModBus available)
General	
Menu Language	English
Power Supply	10 to 30 VDC, Max. 2.3 W
Working Temperature/Humidity	-20°C to 50°C (-4°F to 122°F) 90% or less
Protection Level	IP40
Mount	M3
Weight	Approx. 140 g (0.33 lb)
Dimensions	74 mm × 45 mm × 45 mm (2.91" × 1.77" × 1.77")

▪ Available Model

HM-TD2037T-25/X

▪ Dimension



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