

HM-TD2H37T-4/X Thermographic Heat Resistant Bullet Camera





HIKMICRO HM-TD2H37T-4/X Thermographic Heat Resistant Bullet Camera is able to measure object's temperature at a high temperature of environment in real time. With the advantage of standing high temperature, low power consumption, it can independently be used for failure detection and industrial process control. The industries can be applied to include electric system, industrial automation and so on.

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
- Color alarm (isotherm) available for Above, Between, and Below object temperatures
- Air Cooling and Liquid Cooling Housing for High Ambient Temperature Environment
- Working Temperature/Humidity with Air Cooling and Liquid Cooling: 0°C to 200°C (32°F to 392°F); 95% or less
- Working Temperature/Humidity without Air Cooling and Liquid Cooling: -20°C to 65°C (-4°F to 149°F); 95% or
- Real-time Temperature Data Reporting



Specification

Image Sensor Vanadium Oxide Uncooled Focal Plane Arrays Resolution 384 × 288 Pikel Pitch 17 μm Spectral Range 8 μm to 14 μm NETD ≤ 35 mK (@25°C, F# = 1.0) Focal Length 4.5 mm Focus Mode Athermalized IFOU 3.78 mrad Aperture F1.0 Field of View 90° × 55.2° (H × V) Min. Focusing Distance 0.3 m Digital Zoom 2x, 4x Measurement and Analysis O3 m 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 Color Alam (isotherm) Above/Between/Below Thermographic Integration Teresets Color Alam (isotherm) Above/Between/Below Thermographic Data Encoding 4 fps, 32-bit 384 × 288 per frame Rank Data Upload Real-time full-screen thermographic data matrix (16-bit or 32-bit 384 × 288) via RTSP, ISAPI, and SDK Raw Data Uplo	Thermal Module	
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Main Stream 50 fps (384 × 288) Video Compression H.264/MJPEG 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, RTCP, RTP, TCP, UDP, IGMP, ICMP, DHCP, PPPoE Simultaneous Live View Up to 3 channels User/Host level Up to 32 users, 3 levels: Administrator, Operator, User User authentication (ID and PW), MAC address binding, 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)	Raw Data Upload	Real-time full-screen YUV data via RTSP and SDK
Video Compression H.264/MJPEG 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, RTCP, RTP, TCP, UDP, IGMP, ICMP, DHCP, PPPoE Simultaneous Live View Up to 3 channels User/Host level Up to 32 users, 3 levels: Administrator, Operator, User Security Security User authentication (ID and PW), MAC address binding, 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)	Video and Image	
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, RTCP, RTP, TCP, UDP, IGMP, ICMP, DHCP, PPPoE Simultaneous Live View Up to 3 channels User/Host level Up to 32 users, 3 levels: Administrator, Operator, User User authentication (ID and PW), MAC address binding, 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)	Main Stream	50 fps (384 × 288)
NetworkProtocolsIPv4/IPv6, HTTP, HTTPS, 802.1x, QoS, FTP, SMTP, UPnP, SNMP, DNS, DDNS, NTP, RTSP, RTCP, RTP, TCP, UDP, IGMP, ICMP, DHCP, PPPoESimultaneous Live ViewUp to 3 channelsUser/Host levelUp to 32 users, 3 levels: Administrator, Operator, UserSecurityUser authentication (ID and PW), MAC address binding, HTTPS encryption, IEEE 802.1x(EAP-MD5, EAP-TLS), access control, IP address filteringClientHIKMICRO StudioInterfaceAlarm Input1, alarm input (0 to 3.3 VDC)	Video Compression	H.264/MJPEG
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 3 channels User/Host level Up to 32 users, 3 levels: Administrator, Operator, User User authentication (ID and PW), MAC address binding, 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)	Color Palettes	15 options: White Hot, Black Hot, Fusion 1, Rainbow, Fusion 2, Ironbow 1, Ironbow 2,
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 3 channels User/Host level Up to 32 users, 3 levels: Administrator, Operator, User User authentication (ID and PW), MAC address binding, 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)		Speia, Color 1, Color 2, Ice Fire, Rain, Red Hot, Green Hot, Dark Blue
Protocols RTCP, RTP, TCP, UDP, IGMP, ICMP, DHCP, PPPoE Simultaneous Live View Up to 3 channels User/Host level Up to 32 users, 3 levels: Administrator, Operator, User User authentication (ID and PW), MAC address binding, 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)	Network	
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User/Host level Up to 32 users, 3 levels: Administrator, Operator, User User authentication (ID and PW), MAC address binding, 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)		RTCP, RTP, TCP, UDP, IGMP, ICMP, DHCP, PPPoE
Security User authentication (ID and PW), MAC address binding, 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)	Simultaneous Live View	Up to 3 channels
Security 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)	User/Host level	Up to 32 users, 3 levels: Administrator, Operator, User
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)	Security	User authentication (ID and PW), MAC address binding, HTTPS encryption, IEEE
Interface Alarm Input		802.1x(EAP-MD5, EAP-TLS), access control, IP address filtering
Alarm Input 1, alarm input (0 to 3.3 VDC)	Client	HIKMICRO Studio
	Interface	
Alarm Output 1, alarm output; NC, level quantity	Alarm Input	1, alarm input (0 to 3.3 VDC)
	Alarm Output	1, alarm output; NC, level quantity



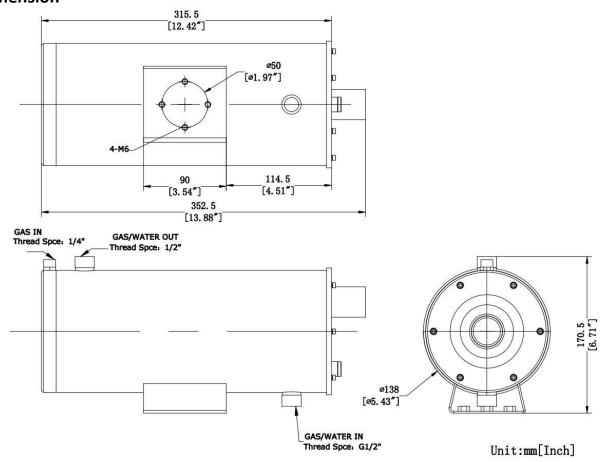
	1, RJ45 10 M/100 M self-adaptive Ethernet interface
Communication Interface	
	1, RS-485 interface (ModBus available)
Analog Output	1, CVBS output
General	
Menu Language	English
Power Supply	10 to 30 VDC, Max. 2.3 W
Working Temperature/Humidity	0°C to 200°C (32°F to 392°F); 95% or less with air cooling and liquid cooling; -20°C to
	65°C (-4°F to 149°F); 95% or less without air cooling or liquid cooling
Protection Level	IP67
Dimensions	Φ138 mm × 352 mm (Φ5.43" × 13.88")
Weight	Approx. 6520 g (14.37 lb)
High-temperature Resistance	
Cooling Liquid	(application example with incoming water at 20°C (68°F) temperature):
	Ambient Temperature 80°C (176°F), Flow Rate above 0.65 L/min;
	Ambient Temperature 100°C (212°F), Flow Rate above 1.22 L/min;
	Ambient Temperature 150°C (302°F), Flow Rate above 1.76 L/min;
	Ambient Temperature 200°C (392°F), Flow Rate above 3.3 L/min
Cooling Air	(application example with incoming air at 20°C (68°F) temperature and with pressure 7
	bar):
	Ambient Temperature 70°C (158°F), Flow Rate above 15.34 m³/h;
	Ambient Temperature 85°C (185°F), Flow Rate above 32.54 m ³ /h;
	Ambient Temperature 100°C (212°F), Flow Rate above 37.82 m³/h;
	Ambient Temperature 120°C (248°F), Flow Rate above 53.97 m³/h

Available Model

HM-TD2H37T-4/X



Dimension



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