

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.

- 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 less
- Real-time Temperature Data Reporting



Specification

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Thermal Module	
Image Sensor	Vanadium Oxide Uncooled Focal Plane Arrays
Resolution	384 x 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
Focus Mode	Athermalized
IFOV	3.78 mrad
Aperture	F1.0
Field of View	90° × 65.2° (H × V)
Min. Focusing Distance	0.3 m
Digital Zoom	2×, 4×
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, 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	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 (0-3.3 VDC)
Alarm Output	1, alarm output; NC, level quantity
	,



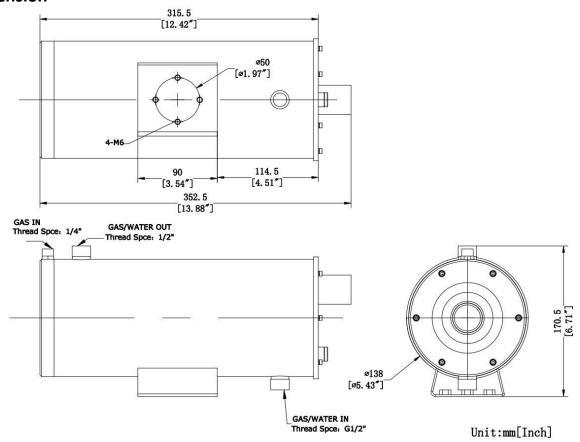
Communication Interface	1, RJ45 10 M/100 M self-adaptive Ethernet interface	
	1, RS-485 interface (ModBus available)	
Analog Output	1, CVBS output	
General		
Menu Language	English	
Power Supply	10-30 VDC, Max. 2.3 W	
Working Temperature/Humidity	0 °C to 200 °C (32 °F to 392 °F); 95% or less with air 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" x 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 m³/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



- Accessory
- Optional



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