

HM-TD2A67H1-15/Q High Temperature Box Camera



The High Temperature Box Camera can be combined with devices for molten steel/molten iron detection, cement rotary kiln, glass processing, automobile lab, temperature measurement of conveyor belt for transferring billet, rail rolling temperature measurement, etc.

Key Feature

- 640 × 512 resolution, high sensitivity sensor
- Object temperature range: 0°C to 800°C (32°F to 1472°F), 600°C to 1800°C (1112°F to 3272°F); Max. ($\pm 2^\circ\text{C}$, $\pm 2\%$)
- 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

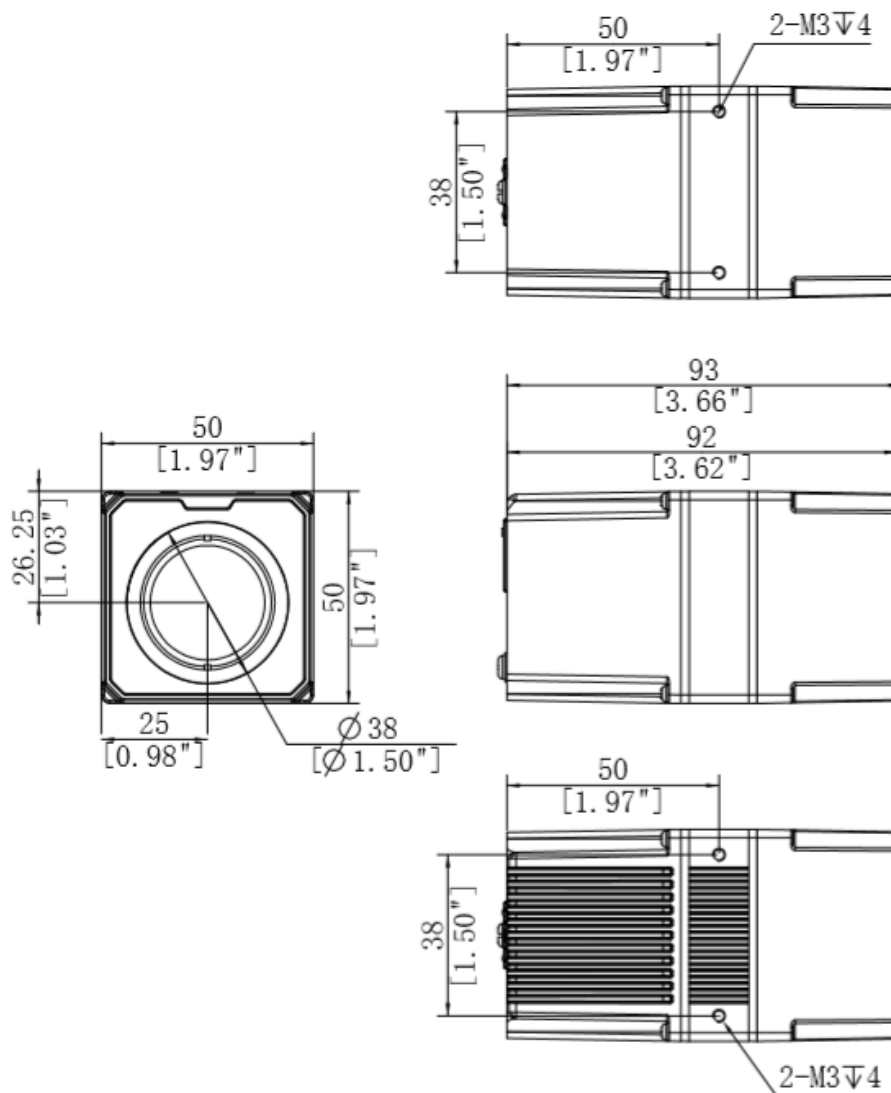
Thermal Module	
Image Sensor	Vanadium Oxide Uncooled Focal Plane Arrays
Resolution	640 × 512
Pixel Pitch	17 μm
NETD	≤ 35 mK (@25°C, F# = 1.0)
Focal Length	15 mm
IFOV	1.13 mrad
Aperture	F1.5
Field of View	41.5° × 33.3° (H × V)
Min. Focusing Distance	0.5 m
Measurement and Analysis	
Object Temperature Range	0°C to 800°C (32°F to 1472°F), 600°C to 1800°C (1112°F to 3272°F)
Temperature Accuracy	Object temperature 100°C to 1800°C (212°F to 3272°F), ± 2% for ambient temperature 18°C to 25°C (64.4°F to 77°F) and ± 3% for ambient temperature 25°C to 50°C (64.4°F to 77°F)
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 640 × 512 per frame
Thermographic Data Upload	Real-time full-screen thermographic data matrix (16-bit or 32-bit 640 × 512) 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 (1280 × 720, 704 × 576, 640 × 512, 352 × 288, 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
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
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 to 30 VDC
Power Consumption	4.8 W 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" × 1.97" × 1.97")
Weight	Approx. 344 g (0.76 lb)
Mount	M3

▪ Available Model

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Dimension



Unit: mm [Inch]

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