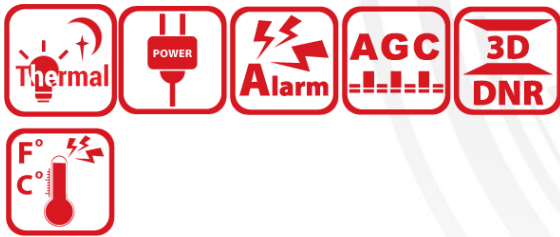




HIKMICRO

HM-TD2A67H2-7/Q High Temperature Box Cameras



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.

- 640 × 512 resolution, high sensitivity sensor
- Object temperature range: 0°C to 1000°C (32°F to 1832°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	640 x 512
Pixel Pitch	17 μm
NETD	$\leq 35 \text{ mK}$ (@25° C, F# = 1.0)
Focal Length	7 mm
IFOV	1.13 mrad
Aperture	F1.5
Field of View	90.0° × 73.8° (H × V)
Min. Focusing Distance	0.5 m
Measurement and Analysis	
Object Temperature Range	0°C to 1000°C (32°F to 1832°F)
Temperature Accuracy	Object temperature 100°C to 1000°C (212°F to 1832°F), $\pm 2\%$ for ambient temperature 18°C to 25°C (64.4°F to 77°F) and $\pm 3\%$ 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

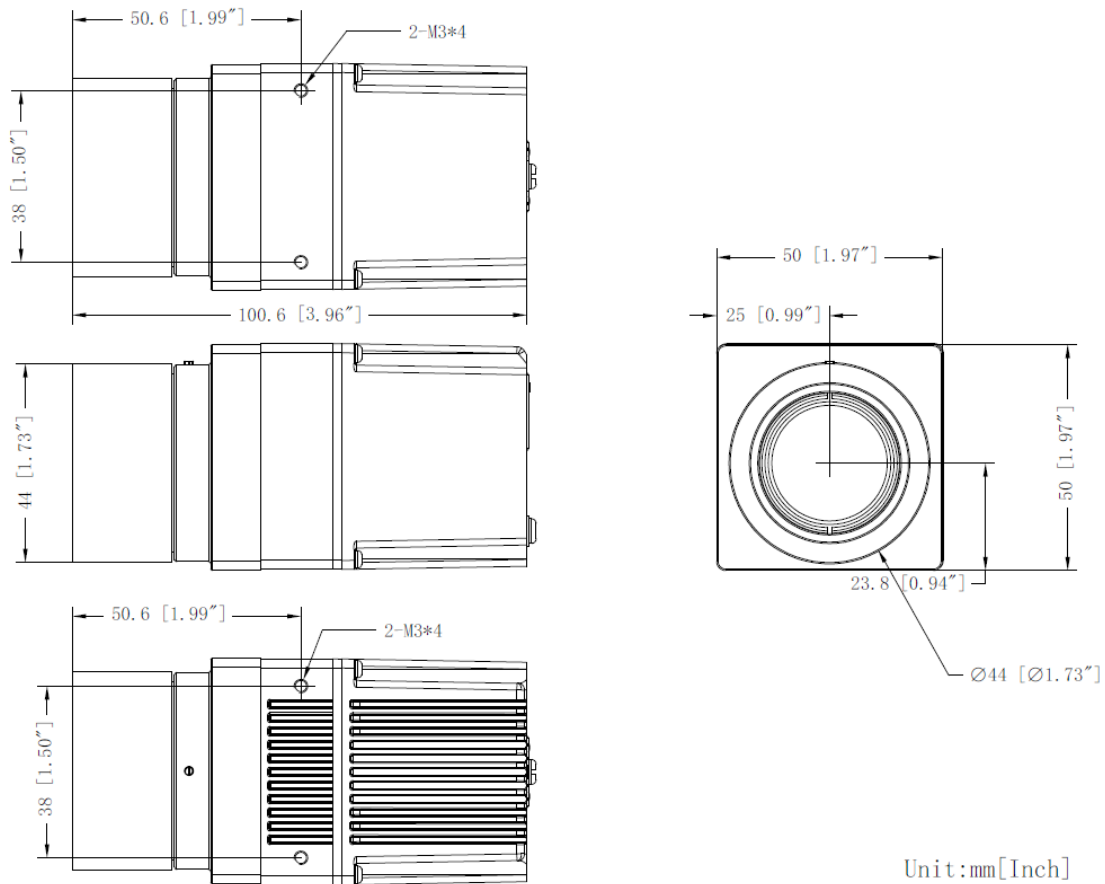
Interface

Alarm Input	1, alarm input (0-3.3 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	10-30 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	100.6mm × 50 mm × 50 mm (3.96" x 1.97" x 1.97")
Weight	Approx. 344 g (0.76 lb)
Mount	M3

Dimension



COMPLIANCE NOTICE: The thermal series products might be subject to export controls in various countries or regions, including without limitation, the United States, European Union, United Kingdom and/or other member countries of the Wassenaar Arrangement. Please consult your professional legal or compliance expert or local government authorities for any necessary export license requirements if you intend to transfer, export, re-export the thermal series products between different countries.