

HM-TD2A67H1-25/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

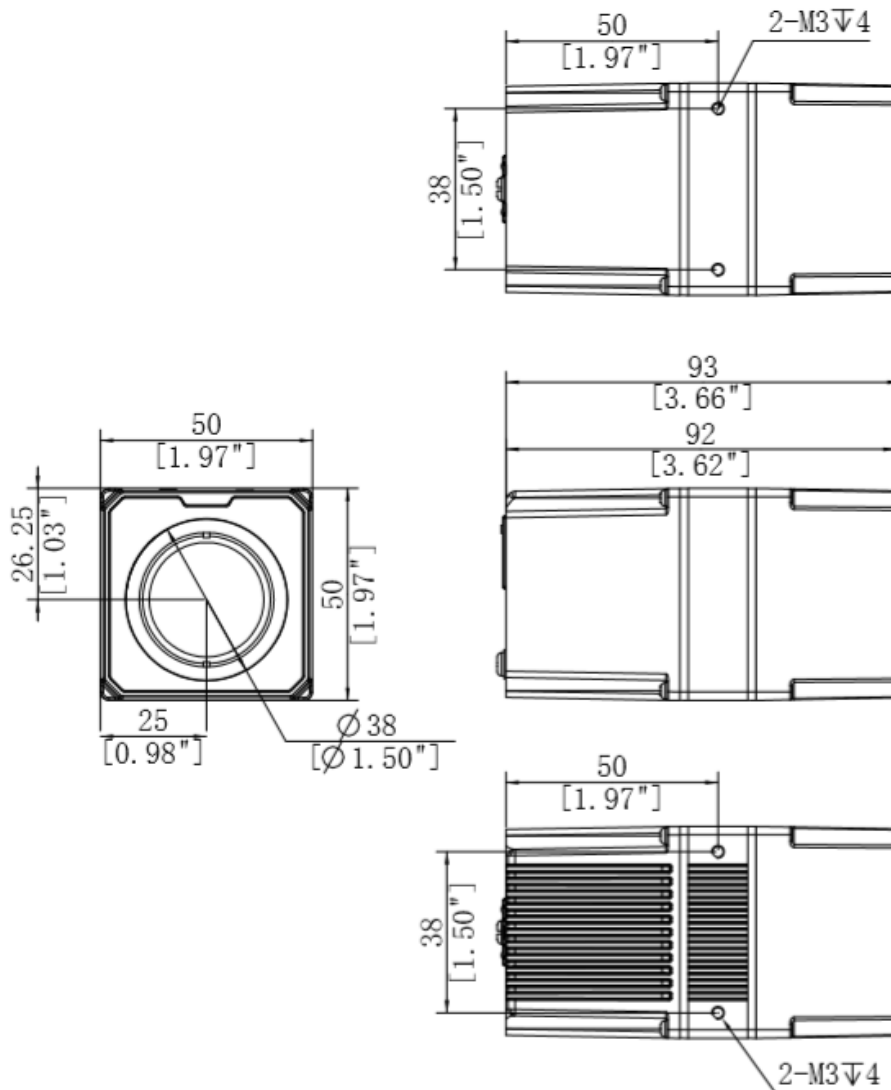
| Thermal Module | |
|-----------------------------|---|
| Image Sensor | Vanadium Oxide Uncooled Focal Plane Arrays |
| Resolution | 640 × 512 |
| Pixel Pitch | 17 μm |
| NETD | ≤ 35 mK (@25°C, F# = 1.0) |
| Focal Length | 25 mm |
| IFOV | 0.68 mrad |
| Aperture | F1.5 |
| Field of View | 24.8° × 19.9° (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 | 4.8W 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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