

HM-TD2A67T-15/Q Thermographic Network Box Camera



The Thermographic Network Box Camera with small size, low power consumption and simple integration realizes real-time high-accuracy object temperature measurement.

- High sensitivity sensor with 640 × 512 resolution
- Object temperature range: -20 °C to 150 °C (-4 °F to 302 °F), 0 °C to 650 °C (32°F to 1202 °F); Max (±2 °C, ±2%)
- Temperature measurement at user-defined points, lines, and areas
- Thermal image frame rate: 50 fps
- A highlighted cross at the max. temperature in the thermal image
- Color alarm (isotherm) available for Above, Between, and Below object temperatures
- Support mirroring, digital zoom(1×, 2×, 4×, 8×)

▪ 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) |
| Focal Length | 15 mm |
| Focus Mode | Semi-auto & Manual, Athermalized |
| IFOV | 1.13 mrad |
| Aperture | F 1.0 |
| Field of View | 41.9° × 33.4° (H × V) |
| Min. Focusing Distance | 0.5 m |
| Measurement and Analysis | |
| Object Temperature Range | -20 °C to 150 °C (-4 °F to 302 °F), 0 °C to 650 °C (32 °F to 1202 °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 | 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 (640 × 512) |
| 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 |
| Digital Zoom | 2×, 4×, 8× |
| 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, Bonjour, SFTP, SRTP |
| Network Storage | NAS (NFS, SMB/CIFS), |
| API | MODBUS, ISAPI, Network SDK, Open Network Video Interface (Profile S, Profile G) |
| Simultaneous Live View | Up to 20 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, Illegal Login, HDD Full, HDD Error, Network Disconnected |
| Client | HIKMICRO Studio |

| Interface | |
|------------------------------|---|
| Alarm Input | 1, alarm input (0-3.3 VDC) |
| Alarm Output | 1, alarm output; NC, level quantity |
| Alarm Action | Preset/patrol scan/alarm record/relay output/smart capture/FTP upload/email linkage |
| Communication Interface | 1, RJ45 10 M/100 M/1 G 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 | 6.5 W |
| Working Temperature/Humidity | -20 °C to 50 °C (-4 °F to 122 °F) 90% or less |
| Protection Level | IP40 |
| Dimensions | 95 mm × 50 mm × 50 mm (3.74" × 1.97" × 1.97") |
| Mount | M3 |
| Material | Aluminum alloy |
| Weight | Approx. 350 g (0.77 lb.) |

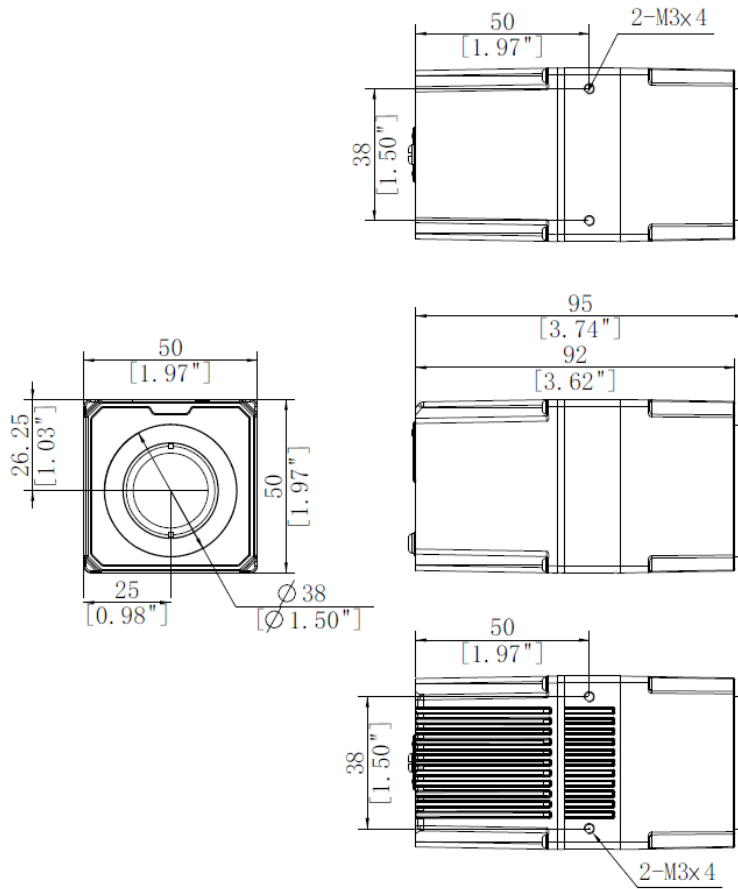
▪ Appearance



▪ Available Model

HM-TD2A67T-15/Q

Dimension



Unit:mm[Inch]