



HIKMICRO

QX610

Thermographic Network Box Camera



The HIKMICRO Thermographic Network Box Camera supports temperature measurement up to 2000°C and delivers clear, high-quality thermal imaging, making it suitable for applications such as smelting, petrochemical operations, and cement production.

▪ Features

- 640 × 512 resolution, high sensitivity sensor
- Object temperature range: 0°C to 800°C (32°F to 1472°F), 300 °C to 2000 °C (5722°F to 3632 °F)
- 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	12 μ m
NETD	≤ 35 mK (@25° C, F# = 1.0)
Focal Length	4 mm
IFOV	3 mrad
Aperture	F2.5
Field of View	100° × 80.3° (H × V)
Min. Focusing Distance	0.5 m
Thermographic Integration	
Temperature Metadata	Continuous output data of preset thermographic rules and measured temperature
Thermographic Data Encoding	50 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
Measurement and Analysis	
Object Temperature Range	0°C to 800°C (32°F to 1472°F), 300 °C to 2000 °C (5722°F to 3632 °F)
Temperature Accuracy	Object temperature 100°C to 2000°C (212°F to 3632°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
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

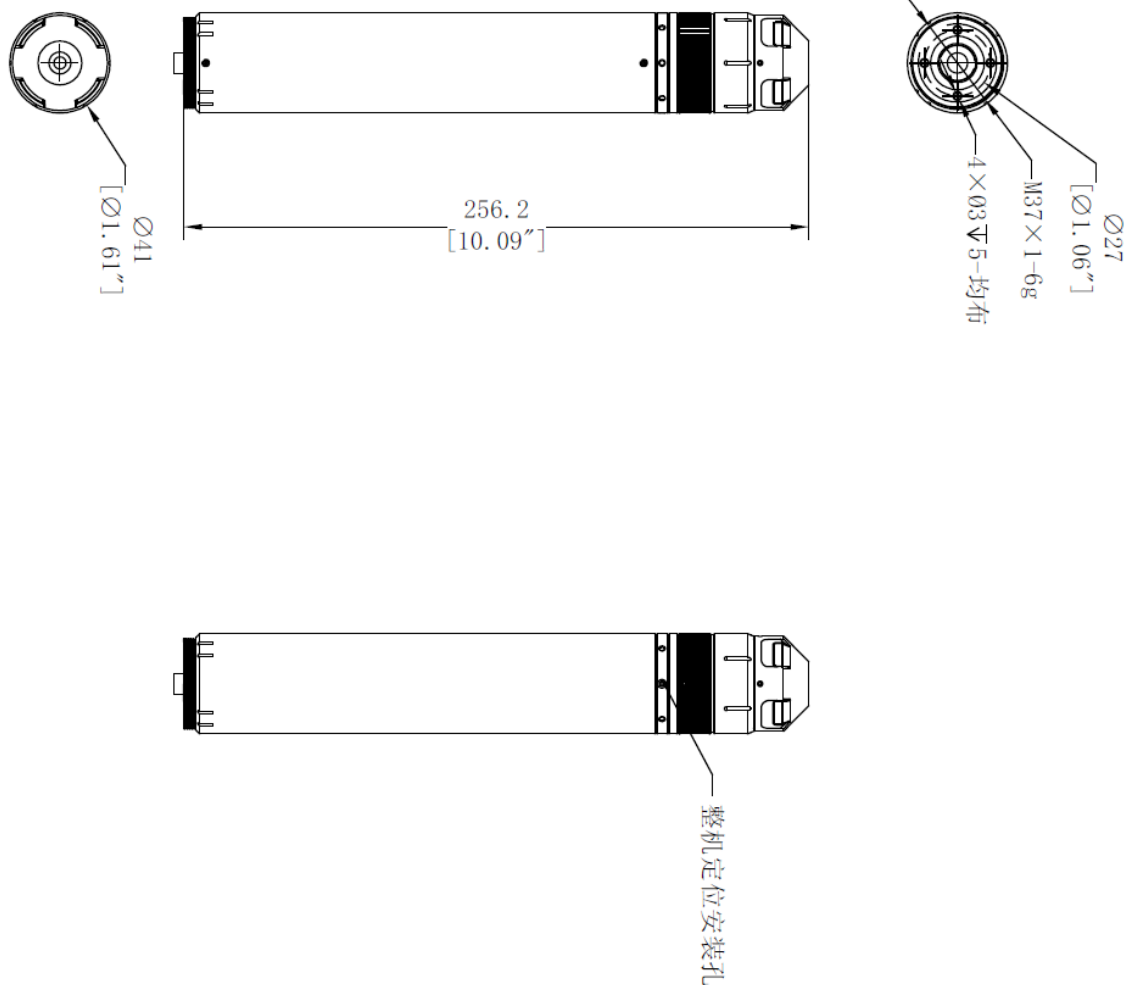
General

Menu Language	English
Power Supply	10-30 VDC
Power Consumption	4W Max
Working Temperature/Humidity	-20 °C to 50 °C (-4 °F to 122 °F) 90% or less
Protection Level	IP67
Dimensions	φ41mm × 256.2mm(φ1.61" × 10.1")
Weight	Approx. 1133.3 g (2.5 lb)

▪ Available Model

HM-TD2A68H1-4X/Q

▪ Dimension



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