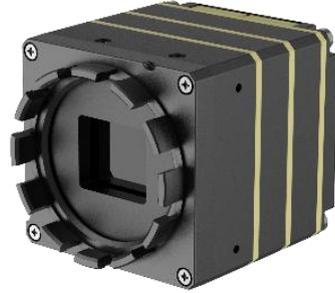


HM-TM06-LF/A Thermal Camera Module



HIKMICRO TM06 thermal camera module is equipped with a 640 × 512 infrared detector. It supports observation, gray scale alarm, secondary development and digital & analog video output. The high-sensitivity built-in thermal detector provides you with clear view even in total darkness. The module is mainly applied to scenarios such as assemble small and medium-sized camera and assemble large PTZ camera, etc.

Key Features

- 640 × 512 resolution, 17 μm, high sensitivity detector
- Adaptive AGC, DDE, 3D DNR, NETD ≤ than 35 mk (@25°C), F#=1.0
- Auto focus and gray scale alarm
- 15 mm, 25 mm, 50 mm, 75 mm, 100mm lens are selectable
- Supports RS-232
- Compact size and low consumption

Specification

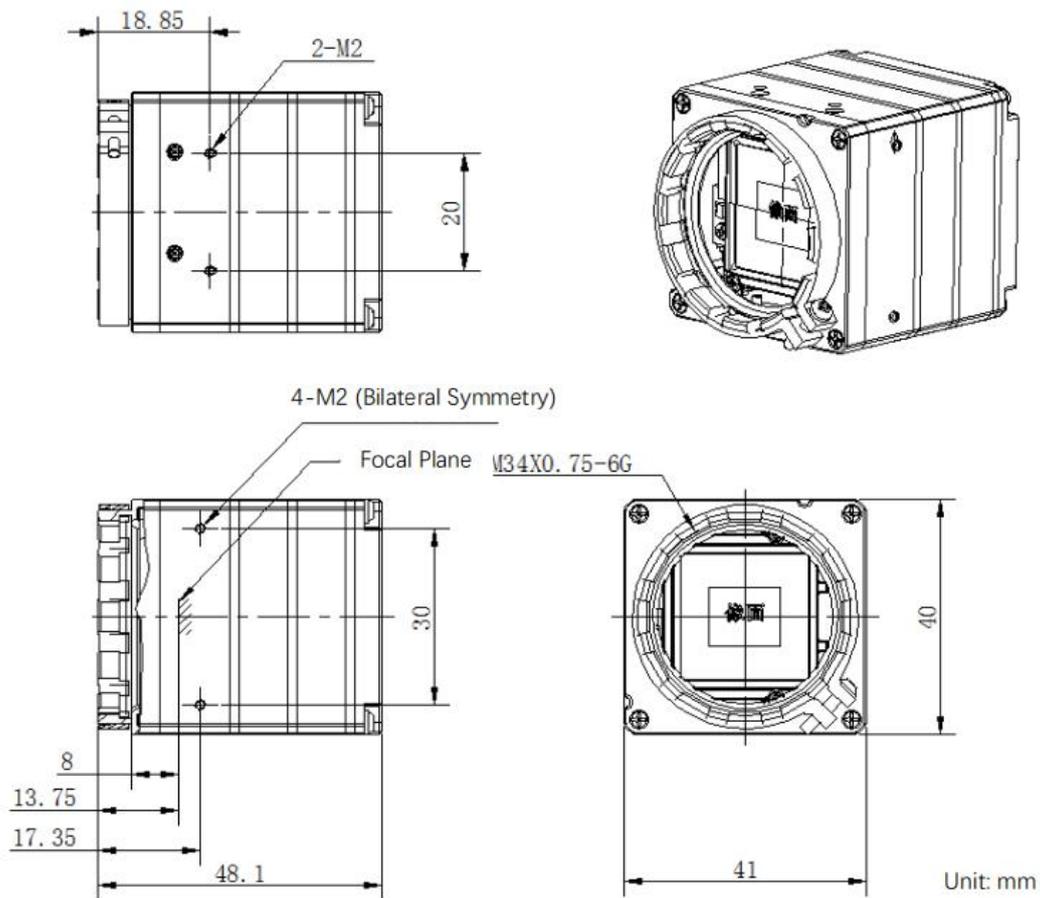
Thermal Module	
Image Sensor	Vanadium Oxide Uncooled Focal Plane Arrays
Max. Resolution	640 × 512
Pixel Interval	17 μm
Response Waveband	8 μm to 14 μm
Frame Rate	25 fps (BT656) / 50 fps (YUV+RAW)
NETD (Noise Equivalent Temperature Difference)	≤ 35 mk (@25 °C, F# = 1.0)
Image	
NUC (Nonuniformity Correction)	Yes
Correction	Auto Correction, Scheduled Correction, Manual Background Correction
Brightness & Contrast Adjustment	Yes
Palettes	15 Palettes of Color Adjustable, Default White Hot
AGC	Auto, Manual
DPC	Yes
DDE	Yes
3D DNR	Yes
Digital Zoom	1x, 2x, 4x
Digital Video Output	BT.656/ 14-bit RAW + YUV
Analog Video Output	CVBS
Focus and Zoom	
Focus	Manual, Auto
Zoom	Manual
Auto Focus Duration	<5 s
Gray Scale Alarm	
Alarm Method	Image alarm box marking and serial port protocol output
Alarm Threshold	Adjustable
Alarm Action Duration	<0.2 s
Control Interface	
Video Output	BT.656/ 14-bit RAW + YUV/CVBS
Communication Interface	RS-232 interface
Alarm	1-ch input, 1-ch output
General	
Power	DC12V (DC5V-DC16V)
Power Consumption	< 1.8 W (with zoom and focus off)
Working Temperature	-40 °C to 70 °C (-40 °F to 158 °F)
Storage Temperature	-45 °C to 85 °C (-49 °F to 185 °F)

Working Humidity	< 90% RH
Lens Mount	M34 × 0.75 mm , M45 × 1 mm Customized
Vibration & Shock	750g / 1 ms
Dimension	40 mm × 41 mm × 48.1mm (1.57" × 1.61" × 1.92")
Weight	<82g (0.18 lb)
Accessory	Multi-interface cable x1, CD ×1, Lens Mount x2, Lens adapter cablex2
Secondary Development	Support

Available Model

HM-TM06-LF/A

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.