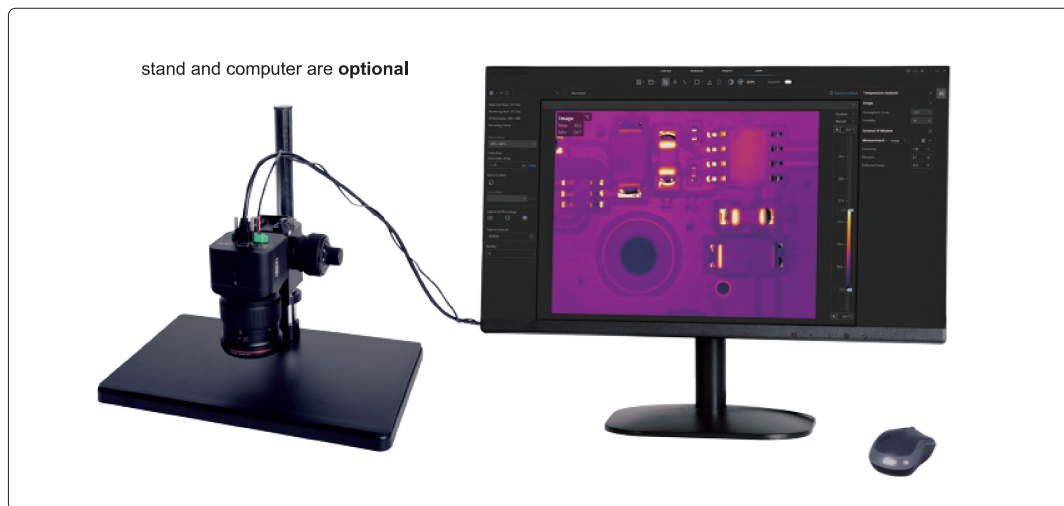


## MICROSCOPIC INFRARED THERMAL IMAGING CAMERAS

- Suitable for electric power, energy, electronic industry, scientific research, etc.
- Equipped with a high-resolution and high-sensitivity infrared detector, ensuring clear imaging with discernible details
- Temperature measurement accuracy up to  $\pm 1^{\circ}\text{C}$  or  $\pm 1\%$  within the range of  $0^{\circ}\text{C}$  to  $150^{\circ}\text{C}$
- One simple twist to switch between normal mode and macro mode, no lens replacement required
- Feature standard mounting interfaces, compact size, and easy installation and deployment
- Software is included: support file management, thermal image analysis, report editing, etc.



0243-HT480



stand and computer are **optional**

connected to computer via network cable

### SPECIFICATION

Code	0243-HT480	0243-HT640	
Infrared image	detector type	unrefrigerated vanadium oxide, $8\mu\text{m}\sim 14\mu\text{m}$	
	infrared resolution	480×360	640×512
	thermal sensitivity/NETD	<35mK	
	infrared frame rate	50Hz	
	spatial resolution/IFOV	0.48mrad	
	minimum object distance	0.15m	
	macro object distance	4.3cm	
	field of view	normal mode: $17.5^{\circ}\times 13.1^{\circ}$ macro mode: $17.9^{\circ}\times 13.4^{\circ}$	normal mode: $17.5^{\circ}\times 14.0^{\circ}$ macro mode: $17.9^{\circ}\times 14.3^{\circ}$
	focal length	25mm	
	aperture	F1.0	
Measurement and analysis	color palettes	white hot, ice fire, rainbow, black hot, red hot, green hot, fusion 1, fusion 2, color 1, color 2, speia, dark blue, ironbow 1, ironbow 2, rain, blue red	
	measurement range	normal mode: $-20^{\circ}\text{C}\sim 150^{\circ}\text{C}$ , $0^{\circ}\text{C}\sim 650^{\circ}\text{C}$ ; macro mode: $-20^{\circ}\text{C}\sim 150^{\circ}\text{C}$	
	measurement accuracy	$\pm 1^{\circ}\text{C}$ or $\pm 1\%$ , whichever is greater (at $0^{\circ}\text{C}\sim 150^{\circ}\text{C}$ ) $\pm 2^{\circ}\text{C}$ or $\pm 2\%$ , whichever is greater (other range)	
	measurement tools	maximum spot, minimum spot, user-definable: spots, rectangles, lines	

## SPECIFICATION

<b>Interface</b>	<b>alarm input</b>	DC 0~3.3V alarm input
	<b>alarm output</b>	normally open relay alarm output
	<b>communication interface</b>	RJ45: 10M/100M/1000M self-adaptive Ethernet interface RS-485: Modbus available
	<b>network protocols</b>	IPv4, HTTP, HTTPS, 802.1x, Qos, FTP, SMTP, UPnP, SNMP, DNS, DDNS, NTP, RTSP, RTP, TCP, UDP, IGMP, ICMP, DHCP
	<b>analog output</b>	CVBS output
<b>Physical parameter</b>	<b>material</b>	aluminum alloy
	<b>power supply</b>	DC 12V
	<b>power</b>	≤3W
	<b>installation</b>	1/4"-20 UNC
	<b>operating environment</b>	-20°C~50°C, <90%RH
	<b>dimension (L×W×H)</b>	140×80×80mm
	<b>net weight</b>	1kg

## STANDARD DELIVERY

<b>Main unit</b>	1 pc
<b>Network cable</b>	1 pc
<b>Power adapter</b>	1 pc

## OPTIONAL ACCESSORY

<b>Tripod</b>	0701-TR175
<b>Stand</b>	0243-STAND