

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 $\pm 1.8^{\circ}\text{F}$ or $\pm 1\%$ within the range of 32°F to 302°F
- 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

Part No.		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	5.91"	
	macro object distance	1.69"	
	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	.98"	
	aperture	F1.0	
	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 and analysis	measurement range	normal mode: $-4^{\circ}\text{F}\sim 302^{\circ}\text{F}$, $32^{\circ}\text{F}\sim 1202^{\circ}\text{F}$; macro mode: $-4^{\circ}\text{F}\sim 302^{\circ}\text{F}$	
	measurement accuracy	$\pm 1.8^{\circ}\text{F}$ or $\pm 1\%$, whichever is greater (at $32^{\circ}\text{F}\sim 302^{\circ}\text{F}$) $\pm 3.6^{\circ}\text{F}$ or $\pm 2\%$, whichever is greater (other range)	
	measurement tools	maximum spot, minimum spot, user-definable: spots, rectangles, lines	

SPECIFICATION

Interface	alarm input	DC 0~3.3V alarm input
	alarm output	normally open relay alarm output
	communication interface	RJ45: 10M/100M/1000M self-adaptive Ethernet interface RS-485: Modbus available
	network protocols	IPv4, HTTP, HTTPS, 802.1x, Qos, FTP, SMTP, UPnP, SNMP, DNS, DDNS, NTP, RTSP, RTP, TCP, UDP, IGMP, ICMP, DHCP
	analog output	CVBS output
Physical parameter	material	aluminum alloy
	power supply	DC 12V
	power	≤3W
	installation	1/4"-20 UNC
	operating environment	-4°F~122°F, <90%RH
	dimension (L×W×H)	5.51×3.15×3.15"
	net weight	2.21lb

STANDARD DELIVERY

Main unit	1 pc
Network cable	1 pc
Power adapter	1 pc

OPTIONAL ACCESSORY

Tripod	0701-TR175
Stand	0243-STAND