INFRARED THERMAL IMAGING CAMERAS (ADVANCED TYPE)

VIDEO

DATA OUTPUT

IP54 WATERPROOF

- Suitable for electric power, oil and petrochemical, heating ventilation and air conditioning, electronic information, etc.
- 4 image modes: IR, VL, MIF and PIP
- Software is included: support file management, thermal image analysis, video analysis, report editing, etc.
- Mobile APP is included: support real-time data and video transmission

STANDARD DELIVERY

Code	0234-TC850A	0234-TC850B
Infrared lens	1 pc (standard lens)	2 pcs (standard lens+high temperature lens)
Main unit	1 pc	
64G SD card	1 pc	
Lithium-ion battery	2 pcs	
Desktop charger	1 pc	
Power adapter	1 pc	
Software	1 pc	





0234-TC850B

OPTIONAL ACCESSORY

Tripod	0701-TR175

SPECIFICATION

Code		0234-TC850A	0234-TC850B
Measurement and analysis	measurement range	support auto-switching: -40°C~150°C, 0°C~650°C	support auto-switching: -40°C~150°C, 0°C~650°C, 500°C~2000°C (high temperature lens is required, included)
	measurement accuracy	±2°C or ±2%, whichever is greater	
	analyzed target	12 in total (spot/line/area)	
	temperature alarm	full screen temperature alarm with image, voice and flash	
	temperature measuring parameter	emissivity, reflected temperature, target distance, humidity, atmospheric temperature, optical transmittance, dew point	
	others	isothermals, smart stroke, intelligently calculate the area	
Image display	display screen	4.3" touchscreen LCD, 800×480 pixel	
	digital camera	8MP	
	image mode	IR, VIS, MIF, PIP	
	image adjustment	level span mode: automatic, semi-automatic, manual	
	color palettes	15: white hot, iron red, arctic, rainbow 2, hot iron, rainbow 1, fulgurite, medical, tint, black hot, blue hot, sepia, green hot, ice and fire, amber; customized	
Imaging and optics	detector type	unrefrigerated vanadium oxide, 7.5μm~14μm	
	infrared resolution	480×360@12μm	
	super resolution	upgrade to 960×720	
	thermal sensitivity/NETD	45mK	
	infrared frame rate	30Hz/9Hz	
	focal length	17.7mm	
	field of view	25°×19°	
	spatial resolution/IFOV	0.91mrad	
	minimum object distance	0.15m	
	distance to spot size/D:S	1099:1	
	focusing mode	manual, automatic, touch autofocus, continuous autofocus	
	digital zoom	1.1x~16x	
Function	laser	indication/ranging: 0.1m~40m	
	recording function	photo (image stitching) and video (infrared and visible light)	
	cloud service	available	
Storage and transmission	storage	built-in 64GB and external SD card (64GB and up to 256GB)	
	image storage	JPG (with temperature information)	
	video storage	MP4 (without temperature information) can be used to record audio synchronously; IRGD (with temperature information), up to 30Hz for temperature analysis	
	external interface	TYPE-C, SD card slot, 1/4" tripod mounting	
	WIFI	can be connected to the mobile terminal for image and real-time video transmission	
	bluetooth	bluetooth 5.0, support image transmission (only for Android)	
Power supply	battery type	lithium-ion rechargeable battery, operating time≥4 hours	
	charging mode	TYPE-C charging; PC/portable charger; capable of charging while using; desktop charger	
	charging time	90% of full charge in 2.5 hours	
Environmental parameter	operating temperature	-20°C~50°C	
	protection	IP54, 2m drop test	
	certification	CE, RoHS	
Physical parameter	hardware	illuminator, microphone, speaker, electronic compass, GPS	
	dimension	292×125×125mm	
	net weight	1.2kg	