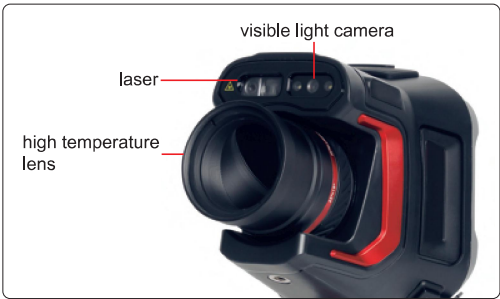


INFRARED THERMAL IMAGING CAMERAS (ADVANCED TYPE)

IP54
WATERPROOF

DATA
OUTPUT



0234-TC850B

- 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

SPECIFICATION

Code		0234-TC850A	0234-TC850B	0234-TC950A	0234-TC950B
Imaging and optics	detector type	unrefrigerated vanadium oxide, 7.5μm~14μm			
	infrared resolution	480×360@12μm		640×480@12μm	
	super resolution	upgrade to 960×720		upgrade to 1280×960	
	thermal sensitivity /NETD	45mK		40mK	
	infrared frame rate	30Hz/9Hz			
	focal length	17.7mm			
	field of view	25°×19°			
	spatial resolution /IFOV	0.91mrad		0.68mrad	
	minimum object distance	0.15m			
	distance to spot size /D:S	1099:1		1470:1	
	focusing mode	manual, automatic, touch autofocus, continuous autofocus			
	digital zoom	1.1x~16x		1.1x~20x	

SPECIFICATION

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)	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)		16 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		13MP	
	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			
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 (L×W×H)	292×125×125mm			
	net weight	1.2kg			

STANDARD DELIVERY

Code	0234-TC850A	0234-TC850B	0234-TC950A	0234-TC950B
Infrared lens	1 pc (standard lens)	2 pcs (standard lens+ high temperature 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			

OPTIONAL ACCESSORY

Tripod	0701-TR175
--------	------------