

DATA  
OUTPUT

IP54  
WATERPROOF

## INFRARED THERMAL IMAGING CAMERA (BASIC TYPE) CODE 9132-T400

- Suitable for electric power, mechanical and electrical, heating ventilation and air conditioning, intelligent manufacturing, etc.
- High-sensitive infrared detector, resolution 256x192
- Support real-time super resolution technology, 4 times better image quality
- -20°C~550°C wide temperature measurement range, automatic switch
- 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

Main unit	1 pc
Power adapter	1 pc
TYPE-C data cable	1 pc
4G USB flash disk	1 pc
Software	1 pc

### OPTIONAL ACCESSORY

Tripod	0701-TR175
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VIDEO



### SPECIFICATION

Imaging and optics	detector type	unrefrigerated vanadium oxide, 7.5μm~14μm
	infrared resolution	256×192@12μm
	super resolution	upgrade to 512×384
	thermal sensitivity/NETD	45mK
	infrared frame rate	25Hz/9Hz
	focal length	3.2mm
	field of view	56°×48°
	spatial resolution/IFOV	3.75mrad
	minimum object distance	0.1m
	distance to spot size/D:S	266:1
focusing mode	focus-free	
Measurement and analysis	measurement range	support auto-switching: -20°C~150°C, 0°C~550°C
	measurement accuracy	±2°C or ±2%, whichever is greater
	analyzed target	center spot, fixed temperature measurement areas: small/medium/large
	temperature alarm	full screen temperature alarm with image and flash
	temperature measuring parameter	emissivity, reflected temperature, target distance
Image display	display screen	2.4" LCD
	image mode	IR, VIS, MIF, PIP
	color palette	6: iron red, white hot, arctic, rainbow 1, rainbow 2, hot iron
	image adjustment	level span mode: automatic, semi-automatic, manual
	digital camera	2MP
Function	laser	laser indication
	recording function	photo and video
Storage and transmission	storage	built-in 16GB
	image storage	JPG with temperature information
	video storage	support real-time video transmission, IRGD with temperature information
	external interface	TYPE-C, 1/4" tripod interface
	WIFI	can be connected to the mobile terminal for image and real-time video transmission
Power supply	battery type	rechargeable lithium-ion battery, non-removable
	operation time	11 hours
	charging mode	TYPE-C charging, capable of charging while using
	charging time	90% of full charge in 2.5 hours
Environmental parameter	operation temperature	-15°C~50°C
	protection	IP54, 2m drop test
	certification	CE, ROHS
Physical parameter	weight	375g
	dimension	194×61.5×76mm

front view



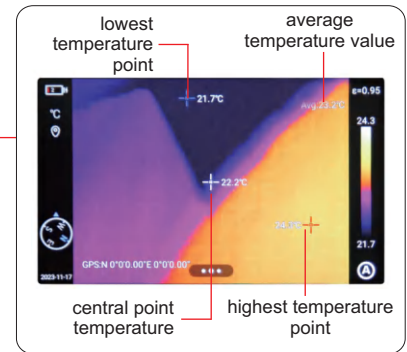
# INFRARED THERMAL IMAGING CAMERA CODE 0231-IC650

DATA  
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- Suitable for electric power, metallurgy, petrochemical, scientific research and teaching, manufacturing, rail transit, building testing, electronic equipment overhaul, mechanical equipment maintenance, etc.
- Four image presentation: IR, VIS, MIF, PIP
- Real-time image can be photographed and video recorded
- Software is included: image browsing, image parameter editing, infrared image analysis, batch report generation, video editing, etc.
- WIFI real-time sharing, one-click connection to mobile device

## SPECIFICATION

Imaging and optics	detector type	unrefrigerated vanadium oxide/7.5μm~14μm
	infrared resolution	256×192@12μm
	super resolution	upgrade to 512×384
	thermal sensitivity/NETD	<45mK
	infrared frame rate	30Hz/9Hz
	focal length	10.5mm
	field of view	25°×19°
	spatial resolution (IFOV)	1.7mrad
	minimum object distance	0.1m
	distance to spot size (D:S)	588:1
	focusing mode	manual/automatic/continuous autofocus
	digital zoom	1.1X~8X
	shot recognition	auto
Measurement and analysis	laser ranging	indication/ranging: 0.1m~40m
	measurement range	support auto-switching: -40°C~150°C, 0°C~650°C
	measurement accuracy	±2°C or ±2%, whichever is greater
	analyzed target	spot×5, line×5, area×5
	tracking/alarm	full screen maximum, minimum and average temperature tracking; the maxium, minimum and average temperature tracking of analyzed target; full screen temperature threshold alarm (image, voice and flash)
	temperature measuring parameter	emissivity, reflected temperature, target distance, humidity, atmospheric transmittance, optical transmittance, dew point
	other	isothermals, smart stroke, intelligently calculate the area

To be continued



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Image display	display screen	4.3", 800×480 pixel touch screen LCD
	digital camera	5MP
	image mode	IR, VIS, MIF, PIP
	image adjustment	level span mode: automatic, semi-automatic, manual
	color palettes	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	recording function	photo and video (infrared & visible light)
	cloud service	available
	other	customized physical button, intelligent diagnosis, OTA update
Storage and transmission	storage	local storage (64GB) and external 64GB SD
	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
	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 system	battery type	lithium-ion rechargeable battery, working time≥5 hours
	charging mode	TYPE-C charging; PC/portable charger; capable of charging while using
	charging time	90% of full charge in 2.5 hours
Environmental parameter	operation temperature	-20°C~50°C
	storage temperature	-40°C~60°C
	protection	IP54, 2-meter drop test
	certification	CE, FCC, ROHS
Physical parameter	hardware	illuminator, microphone, speaker, electronic compass, GPS
	dimension	292×125×125mm
	weight	1.15kg

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**STANDARD DELIVERY**

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
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**POCKET-SIZED THERMAL CAMERA  
CODE 0232-PC550**



To be continued

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- The 256×192 infrared detector produces crisp image
- The IR, VIS, PIP and MIF reveal temperature details
- -20°C to 550°C temperature range with auto-switching capability
- Software is included

## SPECIFICATION

Imaging and optics	detector type	unrefrigerated vanadium oxide/7.5μm~14μm
	infrared resolution	256×192@12μm
	thermal sensitivity/NETD	≤45mK
	infrared frame rate	25Hz/9HZ
	focal length	3.2mm
	field of view	56°×48°
	spatial resolution (IFOV)	3.75mrad
	minimum object distance	0.3m
	distance to spot size (D:S)	266:1
	focusing mode	focus-free
	digital zoom	1.1x~8x
	laser ranging	≤8m
Measurement and analysis	measurement range	support auto-switching: -20°C~150°C, 100°C~550°C
	measurement accuracy	±2°C or ±2%, whichever is greater
	analyzed target	spot×2 (include center spot), area×3
	tracking/alarm	full screen maximum/minimum temperature tracking; the maximum or minimum temperature tracking of analyzed target; full screen temperature threshold alarm (image and flash)
	temperature measuring parameter other	emissivity, reflected temperature, target distance intelligently calculate the area
Image display	display screen	3.5" LCD
	digital camera	5MP
	image mode	IR, VIS, MIF, PIP
	image adjustment color palettes	level span mode: automatic, semi-automatic, manual white hot, black hot, iron red, hot iron, rainbow, arctic
Function	recording function	photo
	cloud service	available
	other	customized physical button×2
Storage and transmission	storage media	local storage (16GB)
	image storage	JPG with temperature information
	external interface	TYPE-C
	WIFI	can be connected to the mobile terminal for image transmission
Power system	battery type	rechargeable lithium-ion battery, working time≥4 hours
	charging mode	TYPE-C charging; PC/portable charger; capable of charging while using
	charging time	90% of full charge in 2.5 hours
Environmental parameter	operation temperature	-10°C~50°C
	storage temperature	-40°C~70°C
	protection	IP54, 1m drop test
	certification	CE, FCC, ROHS
Physical parameter	hardware	illuminator, Laser (indication, ranging)
	dimension	138×89×35mm
	weight	296g

## STANDARD DELIVERY

Main unit	1 pc
Power adapter	1 pc
Software	1 pc

## OPTIONAL ACCESSORY

Tripod	0701-TR175
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