

Features

- **IR resolution:**
120X120
- **Field of View:**
50°X37°
- **Spatial resolution:**
7.6mrad
- **Thermal sensitivity/NETD:**
<0.1°C at 30°C
(86°F)/100mK
- **Image frequency:**
25HZ
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RS PRO Thermal Imaging Camera

RS Stock No.: 279-6298



RS PRO is the own brand of RS. The RS PRO Seal of Approval is your assurance of professional quality, a guarantee that every part is rigorously tested, inspected, and audited against demanding standards. Making RS PRO the Smart Choice for our customers.

Product Description

The Thermal Imager is handheld imaging camera used for predictive maintenance, equipment troubleshooting and verification. Focus the lens to the object, then the thermal and visual images are displayed on the LCD and can be saved to a Micro SD memory card. Transferring images to a PC is accomplished by removing the SD memory card and connecting it to a PC through the included card reader, or transfer the images and video stream to the smart device with "Thermoview Pro" apps installed. In addition to the features mentioned above, the thermal imager provide video recording and play back.

General Specifications

Model Number	RS-984
Temperature Measurement Range	-20°C to +550°C (-4°F to +1022°F)
Accuracy	Blow 100°C ±2°C or 2% of readings whichever is greater
Display Type	LCD
Display Size	3.5 in
Minimum Focus Distance	0.5m (1.6 ft.)
Colour Alarms	N/A
Best Temperature Measurement Accuracy	Blow 100°C ±2°C or 2% of readings whichever is greater
Data interfaces	USB-Type C/Wifi
Video File Format	JPEG, HIR
Software Details	PC&APP software
Memory Storage	8Gbytes Micro SD card or 3.4GB internal EMMC
Colour palettes	IRON, Rainbow, Grey, Grey Inverted, Brown, Blue-red, Hot-cold, Feather, Above alarm, Below alarm, Zone alarm, Vision zone.
Automatic shutdown	Yes
Calibration Available	Yes
Applications	N/A
Supported Languages	English, Chinese, French, German, Spanish, Japanese, Korean, Portuguese, Italian

Image and Optical Specifications

Field of view (FOV) / Minimum Focus Distance	50°x37°/0.5m
Spatial Resolution (IFOV)	7.6mrad
IR Resolution	120x120 pixels
Thermal Sensitivity /NETD	<0.1° C at 30° C (86° F)/100mK
Image Frequency / Frame Rate	25Hz
Image Mode	IR/visual images; simultaneous storage of IR and visual images
Spot	Center Spot, Three manual spots
Focus Mode	Focus free
Zoom	Yes
Focal Length	2.23mm
Focal Plane Array (FPA) /Spectral range	Uncooled microbolometer/8-14 μ m

Electrical Specifications

Power Source	Adapter
Battery Type	Li-ion
Battery Life	N/A
Battery Charging Time	4 hours

Mechanical Specifications

Dimensions(L x W x H)	224mm x 77mm x 96mm
Length	224mm
Width	77mm
Height	96mm
Weight	<500g
Housing Material	PC – ABS

Operation Environment Specifications

Operating Temperature Range	-15°C to +50°C (5°F to +122°F)
Storage Temperature Range	-40°C to +70°C (-40°F to +158°F)
Drop Test	2m
Shock Resistance	25g (IEC60068-2-29)
Vibration Resistance	2g,(IEC60068-2-6)
Humidity (Operating and Storage)	10%~90%

Protection Category

IP Rating

IP54

Approvals

Compliance/Certifications

CE