

## Features

- **IR resolution:**  
**120X90**
- **Field of View:**  
**50°X37°**
- **Thermal sensitivity/NETD:**  
**<0.05°C at 30°C  
(86°F) / 80mK**
- **Image frequency:**  
**50HZ**

## RS PRO Thermal Imaging Camera

RS Stock No.: 279-6302



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 len 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 with audio and play back.

## General Specifications

Model Number	RS T-50F
Temperature Measurement Range	Low range:-20 to 150° C (4 to 302° F) High range:0 to 550° C (32 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.)
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
IR Resolution	120x90 pixels
Thermal Sensitivity /NETD	<0.05° C at 30° C (86° F) / 80mK
Image Frequency / Frame Rate	50Hz
Image Mode	IR image, Visual image, Picture in picture, Auto fusion
Spot	Center Spot, Three Manual Spots
Focus Mode	Focus free
Zoom	Yes
Focal Plane Array (FPA) /Spectral range	Uncooled microbolometer/8-14 $\mu$ 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)	133mm x 87mm x24mm
Length	133mm
Width	87mm
Height	24mm
Weight	<500g
Housing Material	PC – ABS

## Operation Environment Specifications

Operating Temperature Range	-15 to 50° C (5 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
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## Approvals

Compliance/Certifications	CE
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