

## Features

- **IR resolution:**  
**160X120**
- **Field of View:**  
**42°X32°**
- **Spatial resolution:**  
**4.62mrad**
- **Thermal sensitivity/NETD:** <  
**0.05°C @ +30°C**  
**(+86°F) / 50 mK**
- **Image frequency:**  
**25HZ**

## RS PRO Thermal Imaging Camera

RS Stock No.: 279-6294



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 lense 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" apps installed.

In addition to the features mentioned above, the thermal imager provide video recording and play back

## General Specifications

Model Number	RS-875
Temperature Measurement Range	-20°C to +550°C (-4°F to +1022°F)
Accuracy	Below 100°C ±2°C / 100°C and above 2°C or 2% whichever is greater
Display Type	LCD
Display Size	2.8 in
Minimum Focus Distance	0.5m (1.6 ft.)
Best Temperature Measurement Accuracy	Below 100°C ±2°C / 100°C and above 2°C or 2% whichever is greater
Data interfaces	USB-Type C/Wi-Fi
Video File Format	JPEG, HIR
Memory Storage	8Gbytes Micro SD card or 3.4GB internal EMMC
Colour palettes	IRON, Rainbow, Grey, Grey Inverted, Brown, Blue-red, Hot-cold, Feather
Automatic shutdown	Yes
Supported Languages	English, Chinese, French, German, Spanish, Japanese, Korean, Portuguese, Italian

## Image and Optical Specifications

Field of view (FOV) / Minimum Focus Distance	42°x32°/0.5m
Spatial Resolution (IFOV)	4.62mrad
IR Resolution	160x120 pixels
Thermal Sensitivity /NETD	< 0.05°C @ +30°C (+86°F) / 50 mK

Image Frequency / Frame Rate	25Hz
Image Mode	IR image、Visual image、Auto fusion
Spot	Center Spot
Focus Mode	Focus free
Zoom	Yes
Focal Length	2.6mm
Focal Plane Array (FPA) /Spectral range	Uncooled microbolometer / 7.5-14 $\mu$ m

## Electrical Specifications

Power Source	Adapter
Battery Type	Li-ion
Battery Charging Time	4 hours

## Mechanical Specifications

Dimensions	234.8mm x 75.49mm x 100.7mm
Width	75.49mm
Length	234.8mm
Height	100.7mm
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
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