

Features

- **IR resolution:**
160x120
- **3.5" 320x240 touch**
screen
- **Field of View: 29.8°x**
22.6°
- **Spatial**
resolution: .3.33mrad
- **Thermal**
sensitivity/NETD: <
0.08°C @ +30°C
(+86°F) / 80 mK
- **Image frequency:**
50HZ

RS PRO Thermal Imaging Camera

RS Stock No.: 179-9511



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. Thermal and visual images are displayed on the LCD and can be saved to a MicroSD 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. In addition to the features mentioned above, the Thermal Imager provide video recording with audio and play back.

General Specifications

Model Number	RS-9875
Temperature Measurement Range	-20°C to +150°C (-4°F to +302°F) 0°C to +400°C (+32°F to +752°F)
Accuracy	Blow 100°C ±2°C or 2% of readings whichever is greater
Detector Resolution	160x120
Display Resolution	320 × 240
Display Type	LCD
Display Size	3.5 in
Minimum Focus Distance	0.2m
Colour Alarms	N/A
Data Interfaces	USB/Video out
Video File Format	Standard MPEG-4, 640x480@30fps, on memory card > 60 minutes
Software Details	PC & APP software
Memory Storage	4Gbytes Micro SD card
Colour palettes	GRAY/GRAYINV IRON/IRONINV/RAINBOW/FEATHER
Automatic shutdown	Yes
Calibration Available	Yes
Applications	N/A
Supported Languages	multinational

Image and Optical Specifications

Field of view (FOV) / Minimum Focus Distance	29.8°x 22.6° / 0.2 m
Spatial Resolution (IFOV)	3.33mrad
IR Resolution	160 × 120 pixels
Thermal Sensitivity /NETD	< 0.08° C @ +30° C (+86° F) / 80 mK
Image Frequency / Frame Rate	50Hz
Image Mode	IR / Visual
Distance to Spot Ratio	N/A
Focus Mode	Manual
Zoom	1-20x continuous, digital zoom.
Focal Length	7.5mm
Focal Plane Array (FPA)	Uncooled microbolometer/8-14um

Electrical Specifications

Power Source	Adapter
Battery Type	lithium polymer
Battery Life	N/A
Battery Charging Time	4.5 hours

Mechanical Specifications

Dimensions(L x W x H)	243mm x 103mm x 160mm
Length	243mm
Width	103mm
Height	160mm
Weight	920g
Housing Material	PC – ABS

Operation Environment Specifications

Operating Temperature Range	- 20°C to +50°C (-4°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	IP65
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Classification

eCl@ss Version	N/A
UNSPSC Version	N/A

Approvals

Compliance/Certifications	CE
Declarations	N/A
Hazardous Area Certification	N/A

Similar Products

Stock No.	Brand	Product Name	Temperature Measurement Range	Accuracy	Thermal Sensitivity /NETD
XXX-XXXX	RS PRO				
XXX-XXXX	RS PRO				

**BASIC DIMENSIONS/ SUPPLIES & ACCESSORIES/
INCLUDED/ KITS**