

## Features

- **IR resolution:**  
**384x288**
- **Field of View:**41.5°  
X31.1°
- **Spatial resolution:**  
**1.89mrad**
- **Thermal sensitivity/NETD:**<0.0  
5°C@+30°C(+86  
°F)/50mK
- **Image frequency:**  
**50HZ**

## RS PRO Thermal Imaging Camera

RS Stock No.: 227-5213



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

## General Specifications

Model Number	RS-9887
Temperature Measurement Range	Low range: -20°C to +150°C (-4°F to +302°F) High range: 0°C to +650°C (+32°F to +1202°F)
Accuracy	Blow 100°C ±2°C or 2% of readings whichever is greater
Detector Resolution	384x288
Display Resolution	640x480
Display Type	LCD
Display Size	3.5 in
Minimum Focus Distance	0.5m (1.6 ft.)
Colour Alarms	N/A
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	41.5° X 31.1° /0.5m
Spatial Resolution (IFOV)	1.89mrad
IR Resolution	384X288 pixels
Thermal Sensitivity /NETD	<0.05°C at 30°C (86°F)/50mK
Image Frequency / Frame Rate	50Hz
Image Mode	IR / Visual
Distance to Spot Ratio	N/A
Focus Mode	Manual
Zoom	Yes
Focal Length	9mm
Focal Plane Array (FPA)	8–14 µm Spectral range

## 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%
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## Protection Category

IP Rating	IP54
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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**