

## FEATURES

- IR resolution: 160X120
- 3.5" 640x480 touch screen
- Field of View:20.7° X15.6°
- Spatial resolution: 2.26mrad
- Thermal sensitivity/NETD:<0.05°C @+30°C(+87°F)/50mK
- Image frequency: 50HZ
- Auto Fusion mode
- Wi-Fi connectivity
- IP54 rating
- 2M visible digital camera

## RS PRO Thermal Imager

### RS Stock No.:

2309295,2309423,2309424,2309425,2309426,2309427



RS Professionally Approved Products bring to you professional quality parts across all product categories. Our product range has

been tested by engineers and provides a comparable quality to the leading brands without paying a premium price.

## 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

<b>Model Number RS-988</b>	
<b>Temperature Measurement Range</b>	Low range:-20°C to +150°C(-4°F to +302°F) High range:0°C to +650°C(+32 to
<b>Accuracy</b>	$\pm 2.0$ (±3.6)°F)
<b>Detector Resolution</b>	160x120
<b>Display Resolution</b>	640x480
<b>Display Type</b>	LCD,
<b>Display Size</b>	3.5 in
<b>Minimum Focus Distance</b>	0.5m (1.6 ft.)
<b>Colour Alarms</b>	
<b>Best Temperature Measurement Accuracy</b>	±2.0°C
<b>Data Interfaces</b>	USB-Type C / WiFi
<b>Video File Format</b>	JPEG, HIR
<b>Software Details</b>	PC & APP software
<b>Memory Storage</b>	8Gbytes Micro SD card or 3.4GB internal EMMC
<b>Colour palettes</b>	Iron, Rainbow,Grey, Grey Inverted, Brown, Blue-red, Hot-cold, Feather, Above alarm, Below alarm, Zone alarm, vision zone
<b>Automatic shutdown</b>	Yes
<b>Calibration Available</b>	

<b>Applications</b>	
<b>Supported Languages</b>	English, Chinese, French, German, Spanish, Japanese, Korean, Portuguese, Italian

## Image and Optical Specifications

<b>Field of view (FOV) / Minimum Focus Distance</b>	20.7° X 15.6° / 0.5m
<b>Spatial Resolution (IFOV)</b>	2.26mrad
<b>IR Resolution</b>	160X120 pixels
<b>Thermal Sensitivity /NETD</b>	<50.0mK
<b>Image Frequency / Frame Rate</b>	50Hz
<b>Image Mode</b>	IR / Visual
<b>Distance to Spot Ratio</b>	531;1
<b>Focus Type</b>	Manual
<b>Zoom</b>	Yes
<b>Focal Length</b>	9MM
<b>Focal Plane Array (FPA)</b>	8–14 µm Spectral range

## Electrical Specifications

<b>Power Source</b>	Adapter
<b>Battery Type</b>	Li-ion
<b>Battery Life</b>	
<b>Battery Charging Time</b>	4 hours

## Mechanical Specifications

<b>Dimensions</b>	224mm x 77mm x 96mm
<b>Width</b>	77mm
<b>Length</b>	224mm
<b>Height</b>	96mm
<b>Weight</b>	520g
<b>Housing Material</b>	PC – ABS

## Operation Environment Specifications

**Operating Temperature Range** -15~50°C (5°F~122°F)

**Storage Temperature Range** 40°C~70°C (-40°F~158°F)

**Drop Test** 2m

**Shock Resistance** 25g (IEC60068-2-29)

**Vibration Resistance** 2g,(IEC60068-2-6)

**Humidity (Operating and Storage)**

## Protection Category

**IP Rating** IP54

## Approvals

**Compliance/Certifications** CE

**Declarations**

**Hazardous Area Certification**