

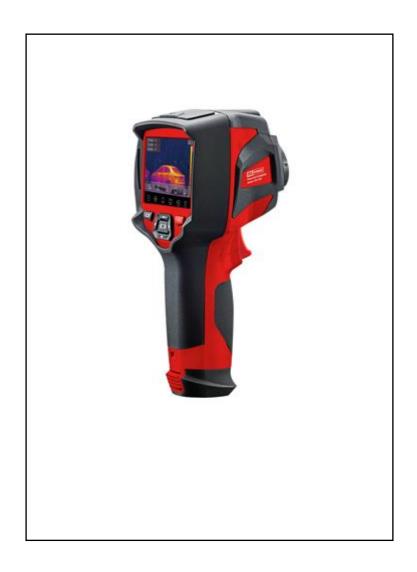
FEATURES

- IR resolution: 256X192
- 3.5" 640x480 touch screen
- Field of View:56°
 X42°
- Spatial resolution: 3.75mrad
- Thermal sensitivity/NETD:<0.0
 5℃@+30℃(+86
 ℉)/100mK
- Image frequency: 25H7
- Auto Fusion mode
- Wi-Fi connectivity
- IP54 rating
- 2M visible digital camera

RS PRO Thermal Imager

RS Stock No.:

2309418,2309419,2309420,2309421,2309422,2309294



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

Thermal Imaging Camera



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

Model Number	RS-986
Temperature Measurement Range	Low range:-20°C to +150°C(-4°F to
	+302°F) High range:0°C to +550°C(+32 to
Accuracy	±202 (ፎ)6°F)
Detector Resolution	256x192
Display Resolution	640x480
Display Type	LCD,
Display Size	3.5 in
Minimum Focus Distance	0.5m (1.6 ft.)
Colour Alarms	
Best Temperature Measurement Accuracy	±2.0°C
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, Bluered, Hot-cold, Feather, Above alarm, Below alarm, Zone alarm, vision zone
Automatic shutdown	Yes
Calibration Available	

Thermal Imaging Camera



Applications

Supported Languages

English, Chinese, French, German, Spanish, Japanese, Korean, Protugues, Italian

Image and Optical Specifications

Field of view (FOV) / Minimum Focus Distance 56° X 42° /0.5m

Spatial Resolution (IFOV) 3.75mrad

IR Resolution 256X192 pixels

Thermal Sensitivity /NETD <100.0mK

Image Frequency / Frame Rate 25Hz

Image Mode IR / Visual

Distance to Spot Ratio

Focus Type | Manual

Zoom Yes

Focal Length 9MM

Focal Plane Array (FPA) 8–14 µm Spectral range

Electrical Specifications

Power Source Adapter

Battery Type

Battery Life

Battery Charging Time

Li-ion

LI 101

4 hours

Mechanical Specifications

Dimensions 228mm x 100mm x 90mm

Width 90mm

Length 228mm

Height 100mm

Weight 520g

Housing Material PC – ABS

Operation Environment Specifications

Thermal Imaging Camera



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