

## FEATURES

- IR resolution: 384X288
- 3.5" 640x480 touch screen
- Field of View:41.5° X31.1°
- Spatial resolution: 1.89mrad
- 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.: 2275213, 2275456, 2275457, 2275459, 2275460, 2275461**



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</b>	2275213, 2275456, 2275457, 2275459, 2275460, 2275461
<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 +1202°F)
<b>Accuracy</b>	±2°C(±3.6°F)
<b>Detector Resolution</b>	384x288
<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>Supported Languages</b>	English, Chinese, French, German, Spanish, Japanese, Korean, Protugues, Italian
<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

## Image and Optical Specifications

<b>Field of view (FOV) / Minimum Focus Distance</b>	41.5° X 31.1° /0.5m
<b>Spatial Resolution (IFOV)</b>	1.89mrad
<b>IR Resolution</b>	384X288 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>	529;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>	<b>Adapter</b>
<b>Battery Type</b>	Li-ion
<b>Battery Life</b>	
<b>Battery Charging Time</b>	4 hours

## Mechanical Specifications

<b>Dimensions 224mm x 77mm x 96mm</b>	
<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

<b>Operating Temperature Range</b>	-15~50°C (5°F~122°F)
<b>Storage Temperature Range</b>	40°C~70°C (-40°F~158°F)
<b>Drop Test</b>	2m
<b>Shock Resistance</b>	25g (IEC60068-2-29)
<b>Vibration Resistance</b>	2g,(IEC60068-2-6)
<b>Humidity (Operating and Storage)</b>	

## Protection Category

<b>IP Rating</b>	IP54
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## Approvals

<b>Compliance/Certifications</b>	CE
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