



## Specification IRC325 Spot Thermal Camera



### TEMPERATURE

Temperature range: -20°C to 380°C

Temperature resolution: 0.1°C

Temperature accuracy:

Temperature	Accuracy *
≥0°C	±1.5°C or ±1.5% of reading (whichever is greater)
≥-10°C to <0°C	±2°C
<-10°C	±3°C

\* Ambient temperature 23 ± 2°C and calibration geometry

Temperature coefficient: ±0.1°C/°C or ± 0.1%/°C of reading  
(whichever is greater)

Repeatability: ±1.0°C or ± 8% of reading (whichever is greater)

Response time: <125ms to 95% of reading

Spectral response: 8 to 14 microns

Emissivity setting: 0.95

Distance/spot ratio: 15:1

### Thermal Imaging Detector

Type: IR-EX™ Technology (Integrated IR Array Sensor with CMOS Sensor)

Imaging resolution: 16,384 pixels (128 x 128 pixels)\*

Field of view (H x W): 33°

Upper sense range: 380°C

Thermal imaging sensitivity: 150mK



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Colour palette: Rainbow

\* Interpolation pixels

### GENERAL

Display: 4.5cm colour TFT (128 x 160 pixels)

Power: 3 x 1.5V, AA alkaline batteries (IEC LR6, NEDA 15A)

Battery Life: 16 hours typical

Auto power off: after 5 minutes

Low battery indication: The low battery symbol is displayed when the battery voltage drops below the operating level

Dimensions: 185 x 54 x 104 mm

Weight: Approx. 250g including batteries

Includes: 3 x 1.5V AA batteries and instructions

### ENVIRONMENTAL

Operating environment: -10 to 50°C at <70% R.H.

10 to 90% R.H. non-condensing at 30°C

Storage environment: -20 to 60°C, with batteries removed.

Altitude: up to 2000m (Operating)

up to 12000m (Storage)

### SAFETY

Conforms to BS EN 61010-1

Class II, double insulation

### EMC

Conforms to BS EN 61326-1

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