

armstrong optical

EasIR-1 entry-level handheld thermography camera



The ruggedized, robust and high performance thermography camera is opening new markets in industrial temperature measurement. The ergonomic design enables single-handed operation with a one-button shoot-and-save capability.

The camera allows inexpensive, fast and reliable trouble-shooting of electrical installations, electro-mechanical equipment, process systems, HVAC equipment and building inspection.

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|-----------------------|--|-----------------|---|
| Detector type | Uncooled FPA | Thermal: | |
| Spectral range | 8 - 12 μ m | Display | 3.6" TFT high res LCD |
| Sensor size | 160x120 pixels | T range | -20 $^{\circ}$ C to +250 $^{\circ}$ C |
| Sensitivity | $\leq 0.1^{\circ}$ C @ 30 $^{\circ}$ C | Accuracy | $\pm 2^{\circ}$ C or $\pm 2\%$ of reading |
| Field of view | 20.6 $^{\circ}$ x 15.5 $^{\circ}$ | | |
| Focal length | 11mm | | |
| Image display | 4 colour palettes | | |
| Focus | Manual | | |
| | Image storage: | | System status: |
| Type | 2Gb mini SD card | LCD display | Battery indicator |
| File format | JPEG (1000 images) | Sound | Auto for power level |
| | Power: | | Interfaces: |
| Power supply | 110/240V AC adaptor | USB2.0 | Image transfer to PC |
| Battery | AA alkaline | | |
| Operating duration | ~3hrs continuous | | |
| | Environmental specification: | | Physical: |
| Operating temperature | 0 $^{\circ}$ C to +50 $^{\circ}$ C | Size | 111 x 124 x 240mm |
| Storage temperature | -20 $^{\circ}$ C to +60 $^{\circ}$ C | Weight | 0.73kg (inc. batteries) |
| Humidity | 10-95% N/C | Tripod mounting | 1/4" - 20 (option) |
| Encapsulation | IP54 / IEC529 | | |