

K250

SD250



Technical Specifications



Physical Characteristics

Dimensions	185 mm x 130 mm x 149 mm* 284 mm x 144 mm x 145 mm**
Weight	1.2 kg (2.6 lbs)
Shell Colour	Orange* Orange / Black**
Shell Material	Radel R 5100
Handstrap Material	Kevlar
IR Protection Window	Hard-coated Germanium
Tripod Mount	¼ inch BSW fixing

Display Characteristics

Technology	Colour liquid crystal display (LCD)
Viewing Mode	Wide Angle (arms length)* Universal (up to face or arms length)**
Size (Diagonal)	90mm (3.5")* 64 mm (2.5") magnified – 165 mm (6.5") equivalent**
Luminosity	250 candelas per square metre

Environmental Characteristics

Operating Temperature	-15 °C to ~450 °C (5 °F to ~840 °F) (limited exposure)
Operating Duration	120 °C (250 °F) for 20 minutes 260 °C (500 °F) for 8 minutes
Storage Temperature	-25 °C to 55 °C (-15 °F to 130 °F) whilst retained in carry case
Water Resistant	IP 67, 1.0 m (3'3") depth
Contaminant Resistant	Yes
Drop	1.8 m (6') any orientation

Electrical Characteristics

Battery Technology	Rechargeable NiMH
Recharge Cycles	1000+
Recharge Time	2.5 hours (nominal)
Operating Time	Up to 5 Hours with Supercell Plus batteries

Infrared Characteristics

Detector	Uncooled IR microbolometer
Resolution	160 x 120 pixels
Thermoelectric Cooler	None
Thermal Time Constant	10 ms typical
Spectral Response	8 µm to 14 µm
Range/Sensitivity (R:S) Ratio	8800
Sensitivity (nominal)	100 mK
Scene Update Rate	50 Hz (PAL), 60 Hz (NTSC)
Dynamic Range	Automatic, variable dynamic range control
Modes of Operation	ICE™ (Normal and Thousand Plus)
Field of View	54 degrees
Focus Range	1.0 m to infinity

Operational Characteristics

Pushbutton Controls	Power On/Off, Image Capture and Transmitter On/Off (if fitted)
Readiness Time	10 seconds (nominal)
Image Optimisation	Automatic, no operator adjustment required
Video Standard	PAL or NTSC: European or American TV standard compatible
Video Output	Composite 1.0 V, terminated into 75 Ω BNC
Temperature Measurement	Range: 0 °C to 1000 °C Accuracy +/- 5 °C from 0 °C 100 °C +/- 10% from 100 °C to 1000 °C
Colorisation	ICE™ Enhanced Dual Transparent Colour
Colour Temperature Scale Indicator	Single palette indicator bar
Digital Image Capture	Saves 30 images to on board memory

* K250 only
**SD250 only

