



TECHNICAL SPECIFICATION

PHYSICAL	
Dimensions	284 mm x 144 mm x 145 mm (11.2" x 5.7" x 5.7")
Weight	1.2 kg (2.6 lbs)
Shell Colour	Yellow / Black
Shell Material	Radel R 5100
Handstrap Material	Kevlar
IR Protection Window	Hard-coated Germanium
Tripod Mount	¼ inch BSW fixing
DISPLAY	
Technology	Colour LCD
Viewing System	Universal (up-to-face or arms length)
Size (Diagonal)	Equivalent 165 mm (6.5") (magnified)
Luminosity	230 candelas per square metre
ENVIRONMENTAL	
Operating Temperature	-35 °C to ~450 °C (-31 °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

TECHNICAL SPECIFICATION

ELECTRICAL

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

INFRARED

Detector	Uncooled IR microbolometer (ASi)
Resolution	160 x 120 pixels
Thermoelectric Cooler	None
Thermal Time Constant	10 ms typical
Spectral Response	8 μm to 14 μm
Sensitivity (nominal)	50 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	44°
Focus Range	5.0 m to infinity

OPERATIONAL

Pushbutton Controls	Power On/Off, Image Capture / Transmitter On/Off (if fitted)
Readiness Time	10 seconds (nominal)
Image Optimisation	Automatic (excluding contrast adjustment)
Video Standard	PAL or NTSC: European or American TV standard compatible
Video Output	Composite 1.0 V, terminated into 75 Ω BNC
Temp. Measurement Range	0 °C to 1000 °C (Accurate to +/- 5 °C (0 °C 100 °C) and +/- 10% (100 °C to 1000 °C))
Colourisation	ICE™ Enhanced Dual Transparent Colour
Colour Temp. Scale Indicator	ICE™ indicator palette
Digital Image Capture	Saves 30 images to on board memory