

auraTM FIRE

The new upgraded 2018 auraTM FIRE handheld thermal imaging camera.

Helping you to see the unseen for tactical firefighting, and urban search & rescue One of the smallest and lightest handheld thermal imaging cameras available.

An auraTM SAR is also available for Search & Rescue situation, man overboard and piracy at sea.

The auraTM FIRE has been a flagship product for the company for many years with its ability to go anywhere and unrivalled dependability.

With its 3.5" LCD display and dynamic mode sensing, the auraTM FIRE gives crystal clear definition. Developed with an internal lithium ion battery, it offers a working duration of up to 8 hours before re-charging is required. At 730g the auraTM Fire is without doubt, one of the lightest hand held thermal imaging cameras available today.

When temperature is important to the wearer, we have available spot temperature measurement with 4 colour maps, with single button configuration making for easy operation. The auraTM Fire can be attached with a lanyard and used within the hand with the ability to be utilised between colleagues quickly for sharing information.



- ✓ The lightest camera in operation, weighing in at only 730g
- ✓ Ultra small form design
- ✓ 320x240 pixel sensor @ 60Hz
- ✓ 3.5" LCD display
- ✓ Secure hand-held position
- ✓ Boot time < 5 seconds
- ✓ 8 hours of battery life with a smart, lithium ion battery. Charge from any USB port.
- ✓ Simple colour modes with single-button configuration makes for easy operation
- ✓ X2 and X4 Zoom
- ✓ Camera saves up to 100 image captures
- ✓ Simple image playback in camera
- ✓ Download images to a PC with no extra software

TECHNICAL CAMERA SPECIFICATION

aura™ FIRE

Mechanical Data

Camera Dims (H x W x D)	88mm x 145mm x 117mm
Camera Weight	730g with battery
Main Camera Body	Radel® R-5100 and Santoprene®
Display Window	Lexan® CTGXT Anti fog coated polycarbonate

Compliance Data

Emissions	EMC BS EN 61000-6-3:2007
Immunity	EN61000-6-2:2005

Optical Data

Sensor Type	Uncooled Microbolometer with Digital Processing, Pixel Smoothing
Resolution	320 x 240 array
Sensing Material	Vanadium Oxide (Vox)
Spectral Response	7.5um – 13.5um
Thermal Stabilization	-40°F to 175°F (-40°C to 80°C)
Update Rate	30HZ
Thermal Sensitivity	<50mK
Dynamique Range	1022°F (550°C) Nominal
Pixel Size	17µm
Thermal Time Constant	10ms
Video Polarity	White-Hot, Black-Hot Selectable
Relative Heat Indicator	Sliding Bar Scale, temperature to colour relationship and temperature readout

Lens

Lens Material	Germanium – Diamond hard high effective anti-reflection coating
Focal Length	1m to infinity, optimised at 4m (3ft to infinity, optimised at 13ft)
Lens Size	9mm
Field Of View	37.5° Vertical x 50° Horizontal
Focus Fixed	3 feet (1 metre) to infinity
Aperture	f / 1.0

Electrical Data

Power Consumption	3.7V 480mAh
Start Up Time	5 Seconds Typical
Battery Type	Li-ion Rechargeable Battery
Battery Life	Up to 8 Hours @ ambient temperatures (22°C, 72°F)
Battery Charge Time	Less than 5 hours
Battery Charging Temp	5°C to 40°C (41°F to 104°F)
Charger Input Voltage	5V 2.2 AMP
Charger Operating Temp	0°C to 40 °C (32°F to 104°F)
Battery Rechargeable Cycles	Over 1000 charge cycles
Battery Weight	80g

Display

Type	3.5" LCD Screen
Dot Format	320 x 240 Dots
Display Method	NTSC
Back Light	LED
Brightness	300 cd/m ₂
Viewing Angle	60°
Zoom	X2 and X4

Environmental Data

Thermal Conditions	The camera has been designed to operate: Continuously between -20°C (-4°) and 85°C (185°F) or 150°C (300°F) for 15 minutes 260°C (500°F) for 7 minutes
Sealing	IP67, will withstand short-term immersion in water
Impact	The camera will withstand a drop from a height of 2m (78 inches) on to concrete
Storage	It is recommended that for maximum effective operational life, the storage temperature is kept between -20°C (-4°F) and +40°C (104°F) 24-month warranty as standard (exclusions apply)

