

FFIR™
fire

FF 131

LIGHTWEIGHT THERMAL IMAGING CAMERA



- Largest Display Available
- Most Durable Handheld Available
- High Definition VOx Microbolometer
 - Viewable When Crawling
- Supports 300 lbs. for Crawling
- Lightweight & Well Balanced
- Advanced Software Features
- Glove-friendly, Push-button Control



AERION
TECHNOLOGIES, INC.



The FF 131 combines state-of-the-art detector technology with innovative, task-oriented mechanical design. The FF 131 features a customized MicroIR microbolometer detector that has the best resolution, fastest update rate, and widest dynamic range available in the firefighting industry. The use of proprietary, fully upgradeable software gives the FF 131 thru-the-lens digital temperature measurement, exclusive color palettes, and InfoTherm, an exciting feature that enhances situational awareness by applying a color palette to temperatures around the combustion point of paper and wood products.

The ergonomic mechanical design of the FF 131 complements the firefighter's ensemble. A variety of holding positions give firefighters maximum flexibility, including the ability to look



Attics & Vents



Shafts & Holes



Standing & Walking



Corners & Obstacles



Kneeling & Crawling

under, over, and around obstacles. Whether standing, walking, crawling or kneeling, firefighters can comfortably rely on the FF 131 to see the scene in front of them. With the industry's largest display, the FF 131 also allows for shared viewing by an entire attack team. The controls are large and easy to reach with one hand, and battery change is fast and easy, even in dark or smoky atmospheres.

The FF 131 is designed to be carried low, near the waist, relieving strain on the shoulder and distributing the weight throughout the arm. Competitive cameras force the user to hold the camera high, putting all the pressure on the shoulder muscle, while blocking the natural field of view of the user.



feature benefit

PART NUMBER

FF 131

UNCOOLED MICROBOLOMETER DETECTOR

State-of-the-art infrared detector

Unsurpassed thermal imaging quality

True staring Focal Plane Array (FPA)

No blurring, halo-effects or other motion artifacts

1100°F (600°C) Dynamic Range

Wider range of viewable temperatures, no manual adjustment required

160 x120 Pixels
<0.05°C sensitivity

Photographic-quality imagery

ADVANCED OPTICS AND DISPLAY

55° Field of view

Wide angle viewing

Large 5" (13cm) LCD

Can be viewed simultaneously by multiple firefighters

Germanium Window

Durable protection for optics

Digital signal processing

View objects of extreme temperature differences

INTERNAL COOLING SYSTEM

Thermal Phase™ cooling technology

Ensures optimal performance in extreme heat

Redundant thermal protection

Applied to all electronics, display and optic

MECHANICAL

Meets IP67

Standard for water immersion

<10 Second battery change

Fast deployment

Usable when standing, walking or crawling

Supports standard operating procedure

No continuous moving parts

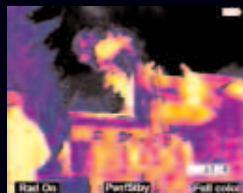
Mechanically reliable and robust



Gray Scale



Autumn



Full Color



Infotherm™



Radiometry



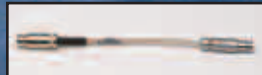
AERION
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Battery 3203312
Single Charger 3203545
Six-Bay Charger 3205357



Video Adapter Cable 3204460



Charger Holder 3207838
Camera Holder 3207837



Front Foot 3203581
Rear Foot 3203582
Nose Guard 3204608
Head Harness 3204996



Receiver Kit 3205517

Camera Part Numbers

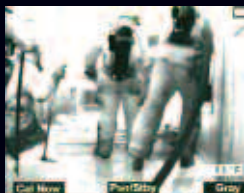
NTSC Video & 110v Charging Adapter FF 131-2
Transmitter, NTSC Video & 110v Charging Adapter FF 131-1
PAL Video w/ 220v Charging Adapter FF 131-4
Transmitter, PAL Video & 220v Charging Adapter FF 131-3
NTSC Video & 220v Charging Adapter FF 131-6
Transmitter, NTSC Video 220v Charging Adapter FF 131-5

The following are Receiver Kit Part Numbers

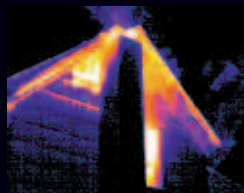
Patch Antenna & 110v Power Adapter 3208455
Patch Antenna & 220v Power Adapter 3205517
Magnetic Mount Antenna & 110v Power Adapter 3208603
Magnetic Mount Antenna & 22v Power Adapter 3208604



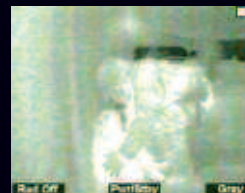
Overhaul



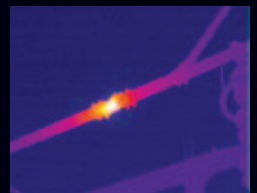
Attack



Size Up



Search & Rescue



Electrical Survey