

# FLIR<sup>TM</sup> 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*



 **FLIR**  
SYSTEMS<sup>TM</sup>



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

### UNCOOLED MICROBOLOMETER DETECTOR

State-of-the-art infrared detector

True staring Focal Plane Array (FPA)

600°C Dynamic Range

160 x120 pixels  
<0.05°C sensitivity

### ADVANCED OPTICS AND DISPLAY

55° field of view

Large 12.7cm LCD

Germanium Window

Digital signal processing

### INTERNAL COOLING SYSTEM

Thermal Phase™ cooling technology

Redundant thermal protection

### MECHANICAL

Meets IP67

<10 second battery change

Usable when standing, walking or crawling

No continuous moving parts

## FF-131

*Unsurpassed thermal imaging quality*

*No blurring, halo-effects or other motion artifacts*

*Wider range of viewable temperatures, no manual adjustment required*

*Photographic-quality imagery*

*Wide angle viewing*

*Can be viewed simultaneously by multiple firefighters*

*Durable protection for optics*

*View objects of extreme temperature differences*

*Ensures optimal performance in extreme heat*

*Applied to all electronics, display and optic*

*Standard for water immersion*

*Fast deployment*

*Supports standard operating procedure*

*Mechanically reliable and robust*



Gray Scale



Autumn



Full Color



Infotherm



Radiometry





FLIR Systems, Inc.  
16505 S.W. 72nd Avenue  
Portland, OR 97224-7705  
Tel: 877-322-7282  
Fax: 503-684-3207

[www.flir.com/firefighting](http://www.flir.com/firefighting)



FF 131-1 & FF1 30-2 (w/transmitter)



Battery 3203312  
Single Charger 3203545  
Six-Bay Charger 3205357



Shoulder Strap Kit 3205380



Carrying Case 3203546



Video Adapter Cable 3204460



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



Battery Holder 3207838  
Camera Holder 3007837



Receiver Kit 3205517



FLIR SYSTEMS, INC.  
ISO 9001:2000  
A10188

© FLIR Systems 2003  
#ff1310803



Overhaul



Attack



Size Up



Search & Rescue



Electrical Survey