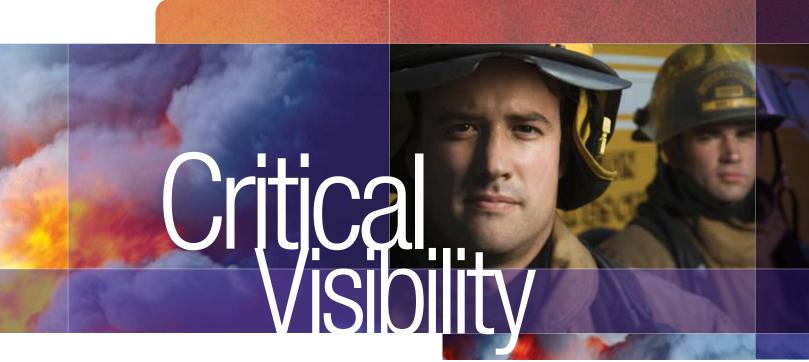
3M Occupational Health and Environmental Safety Division 3M™ Thermal Imaging Camera FF131





The 3M[™] Thermal Imaging Camera FF131 is built specifically for the demanding fire fighting environment, to provide reliable, high quality imaging. Combining advanced detector technology with innovative, task-oriented mechanical design, it is completely self-contained, with no external cables or components to catch or impair movement.

- Large Display
- VOX Microbolometer
- Four color palettes (Gray Scale, Autumn, Full Color, Infotherm)
- Thru-the-lens digital temperature measurement
- Auto Focusing Lens
- Easy and intuitive operation
- Viewable when crawling





3M™Thermal Imaging Camera FF131

Whether standing, walking, crawling or kneeling, firefighters can comfortably rely on the FF131 to see the scene in front of them. The FF131 features a customized MicroIR microbolometer detector that has high resolution, fast update rate, and wide dynamic range. The FF131 provides thru-the-lens digital temperature measurement, exclusive color palettes including 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 FF131 complements the firefighter's ensemble. A variety of holding positions give firefighters maximum flexibility, including the ability to look under, over, and around obstacles. With the large display, the FF131 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 FF131 is designed to be carried low, near the waist, relieving strain on the shoulder and distributing the weight throughout the arm.

1 VOx Microbolometer
State-of-the-art detector for excellent

resolution, rapid update rate, and wide dynamic range.

- Rugged design for high-temperature, high-impact environments.
- 3 Diamond Plate Textured Handle
 Provides secure grip even when wearing gloves.
- Sacrificial Window

 Germanium window protects optics.



5 Angled Bezel Assembly
Comfortable holding position allows non-obtrusive viewing when standing, walking, or crawling.



GRAY SCALE









INFOTHERM

RADIOMETRY











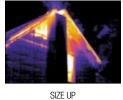
CORNERS & OBSTACLES

KNEELING & CRAWLING

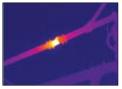












E UP SEARCH & RESCUE

RESCUE ELECTRICAL SURVEY

3M™Thermal Imaging Camera FF131

FEATURE BENEFIT

UNCOOLED MICROBOLOMETER DETECTOR

True Staring Focal Plane Array (FPA)

Minimize blurring, halo-effects or other motion artifacts

600°C Dynamic Range Wider range of viewable temperatures, no manual adjustment required

160 x 120 pixels <0.05°C sensitivity

High quality thermal imaging

ADVANCED OPTICS AND DISPLAY

55° field of view Wide-angle viewing

Large 5 inch (12.7 cm) LCD Simultaneously viewed 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 (Main display/ core housing)

Standard for water immersion

Quick-charge battery Fast deployment

Usable when standing, walking or crawling

No continuous moving parts

Supports standard operating procedure

Mechanically reliable and robust

Base Options

MODEL NUMBER

FF131-1IR 3M™ Thermal Imaging Camera FF131 with four channel transmitter, four color palettes, NTSC video,

110V single bay battery charger and power adapter, two NiMH batteries, shoulder strap, DC power cord

FF131-2IR 3M[™] Thermal Imaging Camera FF131 with four

color palettes, NTSC video, 110V single bay battery charger and power adapter, two NiMH batteries,

shoulder strap, DC power cord

▲ WARNING

Each person using this equipment must read and understand the information in the *User Instructions* before use. Use of this equipment by untrained or unqualified persons, or use that is not in accordance with the *User Instructions*, may adversely affect product performance and **result in sickness or death.** For proper use, see supervisor or *User Instructions*, or call 3M in U.S.A., 1-800-243-4630. In Canada, call Technical Service at 1-800-267-4414.

Accessories

MODEL NUMBER	
FF3207837	3M [™] Vehicle Camera Holder
FF3207838	3M [™] Vehicle Charger Holder
FF3204460	3M [™] Video Cable Adapter
FF3205380	$3\mbox{M}^{\mbox{\tiny IM}}$ Shoulder Strap Kit- Includes shoulder strap and front bracket
FF3205094	3M [™] Shoulder Strap
FF3203312	3M [™] NiMH Battery, 7.2V, 4AH
FF3203545	3M [™] Battery Charger, Single Bay
FF3208455	3M™ Receiver Kit (110V), four channel receiver and patch antenna
FF3208603	3M™ Receiver Kit (110V), four channel receiver and magnetic antenna
FF3208926	3M™ Battery Charger Adapter (110V)- for use with single bay charger

