

## Dräger UCF® 6000 Thermal Imaging Camera Affordable imager optimized for firefighting

Missing important details at a fire scene can place lives at risk. But fire, smoke and darkness make visibility and navigation difficult. The NFPA 1801-2013 certified UCF® 6000 thermal imaging camera gives you valuable information in hazardous situations. The device is extremely easy to use and designed to be operated with one hand.



- 160 × 120 pixel resolution provides superior image quality
- UL Class 1 Division 2 design is intrinsically safe
- Brightness sensor adapts display to all lighting conditions (no need to cup hands over screen)
- Integrated laser pointer pinpoints hazards and aids communication
- Snapshot function allows freeze-frame imaging of difficult areas
- Image display maintains a vertical orientation for accurate viewing
- One-hand operation for ease of use and enhanced mobility
- Lightweight and ergonomic design minimizes fatigue
- Extended life battery supports confidence and peace of mind

### KNOW BEFORE YOU GO

Whether performing search and rescue, finding hotspots, or locating potential hazards, the Dräger UCF 6000 is the ideal thermal imaging system. Meeting the diverse needs of today's firefighters, the UCF 6000 is designed to optimize image quality, simplify operation, improve ergonomics, and offer expanded features. The result is an innovative and rugged thermal imaging camera that combines accurate, reliable performance with ease of use in the most challenging situations. Dräger combines superior technology with quality manufacturing to create imagers that can help you "know before you go".

### IMPROVED VIEWING

The Dräger UCF 6000 provides excellent image quality in settings where fire, smoke, and darkness obscure visibility and make navigation difficult. A resolution of 160 × 120 pixels and a wide field of view (47°) provide the necessary image sharpness and dynamic range to stay safe – and get the job done right. The UCF 6000 also features an automatic brightness sensor, so you don't have to "shadow" the display when operating the camera in direct sunlight. The UCF 6000 also has the ability to provide high-quality images across a broad range of temperatures. By providing clear and consistent imaging, the UCF 6000 makes it possible to accurately and quickly scan rooms and the surrounding vicinity in situations where every second counts.



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Dräger® UCF 6000 NFPA-certified thermal imaging camera

## DRÄGER UCF 6000



### RELIABLE AND RUGGED

Even in the most hostile environments where other imaging cameras fail, the UCF 6000 can be depended on to provide critical information quickly and easily, so you can focus more on the task at hand and less on the equipment. The Dräger UCF 6000 is equipped with an extremely rugged and durable housing that resists heat, water, smoke, and dust. This enables the UCF 6000 to withstand the rigors of firefighting, including damage from accidental drops and fumbles. Additionally, modern lithium-ion battery technology powers the UCF 6000 for up to 4 hours. This

extended period of operation simplifies use and gives you peace of mind during extended firefighting operations.

### EXPANDED UTILITY

The Dräger UCF 6000 is designed for functionality and ease of use in difficult and dangerous settings where firefighters routinely work. The “snapshot” function enables you to “see around corners” by providing a temporary freeze-frame of the thermal image. This is particularly useful when your freedom of movement is limited, enabling you to evaluate hard-to-reach areas quickly and safely.

To aid communication among firefighters, the integrated laser pointing feature allows you to point to hotspots and other areas of concern without changing your grip on other equipment. This enables you to illustrate a recommended plan of attack to fellow firefighters. The enhanced dynamic range of the UCF 6000 optimizes resolution at high temperatures and makes it possible to quickly identify cooler objects, such as victims and other firefighters, within the immediate vicinity of a fire.

### CONVENIENT OPERATION

As a true one-handed thermal imaging device, the Dräger UCF 6000 leaves your other hand free at all times. This ease of use is an invaluable benefit, adding safety as well as freedom of movement. The compact UCF 6000 weighs only 2.9 lbs, making the camera easy to operate without excess fatigue

during extended firefighting operations.

The intuitive design of the camera means there's less distraction in difficult and stressful situations.

Another benefit of the UCF 6000 is the sturdy, detachable crawling plate that allows you to safely put your weight on the camera while crawling.

### STANDARD USB INTERFACE

The Dräger UCF 6000 has a USB 2.0 interface, which makes it possible to configure the camera and transfer the thermal image directly to a PC.

The Dräger UCF 6000 is shipped with a USB cable, detachable crawling plate, and PC software.

## TECHNICAL DATA

### Dräger UCF® 6000

|                                  |  |
|----------------------------------|--|
| Dimensions of camera (W × H × D) | 4.92 × 11 × 4.33 inches (125 × 280 × 110 mm) |
| Weight                           | 2.9 lbs (1,335 g) including battery          |

### Display

|                 |                              |
|-----------------|------------------------------|
| Technology      | Liquid cristal display (LCD) |
| Size (diagonal) | 3.5 inches (9 cm)            |

### Housing

|                  |                                     |
|------------------|-------------------------------------|
| Protection cover | Rubber material EPDM                |
| Carrying loops   | High-temperature resistant material |
| Housing material | High-temperature resistant plastic  |
| Protection class | IP67                                |

### Infrared specifications

|                         |                                 |
|-------------------------|---------------------------------|
| Type of sensor          | a-Si Microbolometer Array       |
| Resolution              | 160 × 120 pixels                |
| IR spectral             | 7 to 14 μm                      |
| Temperature sensitivity | Approximately 0.063°F (0.035°C) |
| Picture frequency       | 50 Hz                           |

### Optics

|               |   |
|---------------|---|
| Material      | Germanium                                       |
| Focus         | From 3.2808 ft (1 m) to infinity                |
| Field of view | Horizontal: 47° / Vertical: 32° / Diagonal: 62° |

### Operation

|  |  |
|--|--|
| Operation time (at 73.4°F/23°C) with battery | Approximately 4 hours                                |
| Temperature measurement                      | Digital display: -40°F to 1,832°F (-40°C to 1,000°C) |
| Operating temperature                        | -40°F to 185°F (-40°C to 85°C)                       |
| Battery technology                           | Rechargeable lithium-ion batteries                   |
| Battery display                              | Precise 4-level battery indicator                    |
| Approvals                                    | NFPA 1801-2013                                       |

**ORDERING INFORMATION****Dräger UCF® 6000**

|                          |           |
|--------------------------|-----------|
| Dräger UCF® 6000 (50 Hz) | 83 21 130 |
|--------------------------|-----------|

**Accessories**

|   |                |
|---|----------------|
| Transport case                                      | 83 21 099      |
| Neck strap  | 83 23 031      |
| Retractable lanyard                                 | 83 23 032      |
| Hand support loop                                   | 83 23 033      |
| Lithium-Ion battery                                 | 83 21 242      |
| Battery charger                                     | 83 21 247      |
| Power supply for charger                            | 83 16 994      |
| Truck charging kit (bracket and 12-30 V-cable)      | 83 21 211      |
| Suction tripod (e.g., for mounting on vehicle roof) | 83 23 070      |
| Tripod  | 83 21 254      |
| Universal clamp                                     | 83 21 259      |
| 12 V-adapter for operations with tripod             | In preparation |
| 12 V-power supply for operations with tripod        | 83 16 994      |

**Included in scope of delivery**

Thermal Imaging Camera with integrated laser pointer and "snapshot"-function, 1 battery, 1 charger, USB-cable, detachable crawling plate, PC-software, instructions for use and brief instruction.

UCF® is a trademark of Dräger.

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