

## Dräger UCF® 7000 Thermal Imaging Camera

Today, any call could potentially bring you into a hazardous area. The Dräger UCF® 7000 thermal imaging camera is intrinsically safe and offers new levels of security and reliability in potentially hazardous settings. Technologically advanced yet easy to use with one hand, the UCF® 7000 gives you peace of mind with rapid, accurate and clear imaging in any situation.



## Benefits

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### Intrinsically safe

Easy to use with one hand only. See more and make better decisions with optimal display options provided by the Dräger UCF 7000 thermal imaging camera. The camera is intrinsically safe (UL Class 1, Division 2) and offers the maximum level of safety and reliability in potentially explosive atmospheres.

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### Better overview, more details

The Dräger UCF 7000 delivers excellent images to firefighters even if visibility is less than optimal. A resolution of 160 x 120 pixels as well as a 2x zoom provide a detailed impression of the situation. When the current image is always right in front of your eyes, rooms and the immediate vicinity are searched quickly and safely. The risk of overlooking a detail is especially likely and a problem in difficult situations. Thanks to the "application switch" (application-specific operating modes), the Dräger UCF 7000 makes it possible to optimize the image display of the camera for the specific task at hand. For example, the camera's display can be optimized for finding persons or finding sources of fire.

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### Video and sound recording

The Dräger UCF 7000 offers standard recording of images and videos. Whether after use or during training situations, those functions offer the possibility for effective deployment documentation or debriefing. The storage capacity is 120 min and 1000 images.

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### Reliable and rugged

Even in the most hostile environments, where other thermal imaging cameras fail, the UCF 7000 can be depended on to provide critical information quickly and easily, enabling firefighters to focus more on their actions and less on their equipment. The Dräger UCF 7000 is equipped with an extremely rugged and durable housing that resists heat, water, smoke, and dust. This enables the UCF 7000 to withstand the rigors of firefighting including damage from accidental drops and fumbles. Additionally, modern lithium-ion battery technology powers the UCF 7000 for up to 4 hours. This extended period of operation simplifies use and gives peace of mind during extended firefighting operations.

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### Extended functionality

Optimized image processing provides a quicker overview in just seconds. The Dräger UCF 7000 even makes it possible to "see around corners" if the equipment limits the freedom of movement or the field of view. The "snapshot" function is used to provide a temporary freeze-frame of thermal image, which can then be viewed on the display. This allows personnel to examine and check out even difficult to access areas quickly and safely.

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### Integrated laser pointer

The integrated laser pointer significantly simplifies pointing out the position of hazards—such as hotspots—to other team members and clearly defines the path of attack.

## Accessories

D-10693-2011



**Transport case**

D-13064-2010



**Battery Charger**

D-13057-2010



**Neck Strap**

For carrying during use

D-6596-2011



**Vehicle Installation Kit**

For storing and simultaneously charging the battery of the camera and a separate battery in a vehicle

## Accessories



D-19071-2010

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### Retractable Lanyard

For fixation on the breathing apparatus

## Services



D-19071-2016

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### Dräger Service

With Dräger's service solutions, you get complete peace of mind and budget security knowing that your safety equipment is supported by the same team of experts that engineered it and is backed by over 125 years of experience. You can rely on Dräger to keep the devices you depend on operating at peak performance and to always put the safety of your team first. That's the Dräger Service Advantage.

## Related Products



D-13189-2010

### Dräger UCF® 6000

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



D-5965-2014

### Dräger UCF® 8000 NFPA Certified

Fires and other hazardous environments pose unseen challenges and dangers. Now you can know before you go with the Dräger UCF 8000 thermal imaging camera. With first-rate image quality and precision, this NFPA 1801-2013 certified camera is intrinsically safe and approved for use in potentially explosive atmospheres.



D-62572-2012

### Dräger UCF® 9000 NFPA Certified

When you enter an unknown environment, you need all the information you can get—as quickly and easily as possible. The Dräger UCF® 9000 is an intrinsically safe, NFPA 1801-2013 certified thermal imaging camera that produces videos and high-resolution digital images for complex firefighting operations, search and rescue, hazmat and more.

## Technical Data

### Dräger UCF® 7000

Dimensions of camera (W x H x D)	4.92 x 11 x 4.33 inches (125 x 280 x 110 mm)	
Weight	3.1 lbs (1.4 kg) including battery	
<b>Display</b>		
Technology	Liquid crystal display (LCD)	
Size (diagonal)	3.5 inches (9 cm)	
Application modes	Standard, Fire, Persons, Thermal Scan	
<b>Housing</b>		
Protection cover	Rubber material EPDM	
Carrying loops	High-temperature resistant material	
Housing material	High-temperature resistant plastic	
Protection class	IP67	
<b>Infrared-specifications</b>		
Type of sensor	a-Si Microbolometer Array	
Resolution	160 x 120 pixels	
IR spectral	7 to 14 µm	
Temperature sensitivity	Approximately 0.063°F (0.035°C)	
Picture frequency	50 Hz	
<b>Optics</b>		
Material	Germanium	
Focus	From 3.28 ft (1 m) to infinity	
Field of view	Horizontal: 47° / Vertical: 32° / Diagonal 62°	
<b>Operation</b>		
Operation time (at 73.4°F/23°C) with battery	Approximately 4 hours	
Temperature measurement	Digital temperature 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), 300°F (150°C) for 20 minutes, 500°F (260°C) for 10 minutes	
Battery technology	Rechargeable lithium-ion batteries	
Battery Display	Precise 4-level battery indicator	
Approvals	The Dräger UCF® 7000 meets the following explosion protection regulations: IEC 60079-0:2007 IEC 60079-11:2006 EN 60079-0:2009 EN 60079-11:2007 ANSI/ISA 12.12.01 CAN/CSA E60079-0 CAN/CSA E60079-11	It is classified as follows: for Europe: I M2 / II 2G, Ex ib I Mb / Ex ib IIC T4 Gb for Australia: Ex ib IIC T4 Gb for the USA and Canada: Class I, Div. 2, Groups A, B, C, D, Class I, Zone 1, Ex ib IIC T4 Flame engulfment-test according to EN137:2006 NFPA 1801:2013

## Ordering Information

### Dräger UCF® 7000

Dräger UCF® 7000 (50 Hz)	83 21 125
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## Ordering Information

### 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 (with Ex-approval)	83 23 075
Battery charger	83 21 247
Power supply for charger	83 16 994
Truck charging kit (bracket and 12-30 V-cable)	83 21 110
Suction tripod (e.g., for mounting on vehicle roof)	83 23 070
Tripod	83 21 254
Universal clamp	83 21 259

### Included in scope of delivery

Thermal Imaging Camera with integrated laser pointer, snapshot function, 2x zoom, 3 additional application modes, including Thermal Scan and video and sound recording, 1 battery and 1 charger. Also includes USB-cable, attachable crawling plate, PC-software, instructions for use and brief instructions.

## Notes

Not all products, features, or services are for sale in all countries.  
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