

## Dräger UCF® 9000 NFPA Certified Thermal Imaging Camera

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.



## Benefits

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### Always have a hand free

Like all Dräger UCF thermal imaging cameras, the UCF 9000 is a compact design. The holding hand also operates all functions. Buttons and keys are quickly selected with the thumb or index finger. With its robust support the UCF is conveniently at hand even while you are crawling on all fours: Simply support yourself against the ground with the device's crawlplate support.

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### Thermal image or real image mode

The UCF 9000 is capable of capturing video and individual photos of not just the displayed thermal images, but also from real digital images. With this option, you can make a live recording of real operations and training situations and evaluate them on the display on site with the play function.

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### Eight additional image modes

In addition to standard mode:

- Fire (firefighting)
  - Persons (search and rescue)
  - Thermal Scan (searching for hotspots)
  - Outdoors (searching for persons outside)
  - Hazardous Goods (leak detection and level indicators)
  - Scan PLUS (searching for heat sources – in real image)
  - Normal Image (video camera)
  - User-defined 1
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### Additional advantages

- intuitive operation: easy and safe handling even under rough conditions
  - display brightness adjusts automatically to environment
  - easy-to-read status information
  - modern lithium ion batteries provide approx. four hours operating time
  - automatic stand-by for longer battery life
  - different attachment options (e.g. neck strap or retractable lanyard)
  - wide range of accessories (e.g. transport case, vehicle installation kit, tripods, etc.)
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### Crystal clear images

Even when the visibility is extremely poor, the UCF 9000 will still deliver first-rate image quality and detailed precision. With its 384 x 288 pixels it offers an extremely high resolution and thus provides up to 44% more detail than other high resolution firefighting thermal imaging cameras. Its 57° field of view (horizontal) provides you with an extra-large overview of the situation. To bring the scene in even closer, you have the option of using the 4x zoom in addition to the 2x zoom.

## Benefits

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### The UCF basic functions

**Laser pointer:**

use the pointer to mark heat sources or display the fill level of tanks

**Snapshot function:**

look around corners and freeze the image to assess the situation

**Extended dynamic range:**

clearly detect persons and objects even near fires

**Quick shutter:**

don't miss information because the detector is calibrating itself or when switching to a different operating mode

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### Continuous recording with full memory card

Should the recording capacity of approximately two hours be exhausted, the black box of the UCF 9000 guarantees further use of the thermal imaging video. If the memory is full, the camera will simply record over the beginning of the recording. The recording continues automatically.

## Accessories

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D-10633-2011



Transport case

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## Accessories

D-13064-2010



### Battery charger

For simultaneously charging the battery of the camera and a separate battery

D-13057-2010



### Neck Strap

For carrying during use

D-65596-2011



### Vehicle Installation Kit

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

D-13071-2010



### Retractable Lanyard

For fixation on the breathing apparatus

## Services

D-19071-2016



### 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-13225-2010



### Dräger UCF® 7000

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.

## Related Products



### 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.

## Technical Data

### Dräger UCF® 9000

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, Outdoors, HAZMAT, Scan PLUS, Normal Image, User defined 1	
<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	384 x 288 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	3.28 ft (1 meter) to infinity	
Field of view	Horizontal: 57° / Vertical: 41° / Diagonal: 74°	
<b>Operation</b>		
Operation time (at 73°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) (inside camera), 300°F (150°C) for 20 min, 500°F (260°C) for 10 min	
Battery technology	Rechargeable lithium ion batteries	
Battery status display	Precise 4-level battery indicator	
Approvals	The Dräger UCF 9000 meets the following 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 the USA and Canada: Class I, Div. 2, Groups A, B, C, D, Class I, Zone 1, Ex ib IIC T4 Flame test according to EN137:2006

## Ordering Information

### Dräger UCF® 9000

Dräger UCF® 9000 (50 Hz)	83 21 240
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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
Li-ion battery (with Ex-approval)	83 23 075
Battery charger	83 21 247
Power supply for charger	83 16 994
Vehicle installation kit (bracket and 12-30 V-cable)	83 21 110
Suction tripod, e. g. to mount on truck roof	83 23 070
Tripod	83 21 254
Universal clamp	83 21 259
12 V-adapter for operations with tripod	83 21 251
12 V-power supply for operations with tripod	83 16 994

### Included in scope of delivery

Thermal imaging camera with integrated laser pointer, snapshot function, 2x and 4x digital zoom, 8 additional application modes in addition to the standard mode including thermal scan function (also real image) and image and sound storage as well as direct display function, 1 battery and 1 charger. Also includes USB cable (camera standard: USB 2.0 interface), detachable crawling plate, PC-software, instructions for use and brief instructions.

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