

## Dräger UCF® 8000 Thermal Imaging Cameras

The robust thermal imaging camera Dräger UCF® 8000 delivers first-rate image quality and detailed precision. The camera is intrinsically safe and approved for use in potentially explosive atmospheres including zone 1 according to ATEX.



## Benefits

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### Crystal clear images

The thermal imaging camera Dräger UCF 8000 delivers excellent images to firefighters even if visibility is less than optimal. A resolution of 384 x 288 pixel as well as a 2 x 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.

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### Better overview, more details

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 8000 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.

One of three additional operating modes is quickly selected just by pressing a button:

- Fire (firefighting)
- Persons (search and rescue)
- ThermalScan (searching for hotspots)

This additional selection provides firefighters with better insights in any situation.

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### Extremely robust

This camera is reliable even in the roughest and toughest environments and with the most demanding applications. Equipped with an almost indestructible housing, the Dräger UCF 8000 is heat-resistant and withstands usage-specific mechanical stresses with ease. Due to their high protection class of IP67, Dräger UCF 8000 cameras are resistant to typical conditions encountered during an operation such as water and dust. Modern lithium-ion battery technology yields operating times of up to four hours and provides users with the peace of mind needed during long runs.

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### Comfortable one-hand operation

Using the thermal imaging camera Dräger UCF 8000 means one hand is always free: an invaluable plus and added freedom of movement for the user. The compact design and well-balanced low weight of only 1.4 kg (3 lbs) make the camera easy to operate with just one hand. The intuitive operation makes it possible to use the camera safely and to utilize its functionality to the full extent even in highly stressful situations. A very sturdy attachable “crawling plate” permits the user to brace himself or herself on the ground without letting go of the camera. Also offering various carrying options for optimal carrying comfort.

## Benefits

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### Ex protection for safety

An explosive atmosphere may be prevalent especially for calls where there is no fire. This means the equipment used must not be a source of ignition. The Dräger UCF 8000 is the tool of choice even in these types of situations. The device is intrinsically safe and approved for use in potentially explosive atmospheres including zone 1 according to ATEX.

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### Extended functionality

Optimized image processing provides a quicker overview in just seconds. The Dräger UCF 8000 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. 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. The Dräger UCF 8000 always offers a high temperature resolution – even in hot situations. This makes it possible to detect cooler objects such as people even in the vicinity of a fire with best possible resolution. Integrated video- and sound recording functions as well as the ability to record single images are part of the Dräger UCF 8000 delivery scope.

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### Standard USB interface

The thermal imaging camera is supplied with USB 2.0 interface by default, which makes it possible to configure the camera (e.g. setting an individual start image) and transfer the thermal image directly to a PC. Recorded images and video sequences used for documentation purposes can also be transferred to a PC.

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### Continued recording with full memory card

Should the recording capacity of approx. two hours be exhausted, the black box of the UCF 8000, just like the UCF 7000, 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

D-10633-2011



### Transport case

Robust plastic-case, padded inside

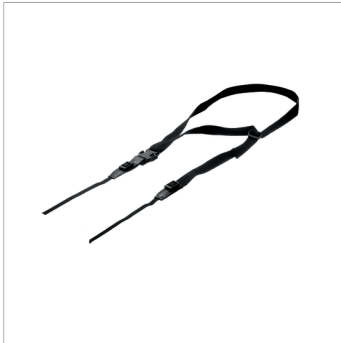
D-13064-2010



### Battery charger

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

D-13057-2010



### Neck Strap

For carrying during duration.

D-13071-2010



### Retractable lanyard

For fixation on the breathing apparatus.

## Accessories



### Vehicle installation kit

Consists of bracket and 12 – 30 V-connection cable

## Related Products



### Dräger UCF® 6000

Easy to use and with one-hand controls, this camera delivers excellent image quality even under the most extreme conditions. The user-friendly thermal imaging camera Dräger UCF® 6000 is characterized by ease of use and essential, innovative functions.



### Dräger UCF® 7000

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 (ATEX zone 1) and offers the maximum level of safety and reliability in potentially explosive atmospheres.

## Related Products

D-13263-2010



### Dräger UCF® 9000

Always remain focused: The thermal imaging camera Dräger UCF 9000 is thermal imaging and digital camera in one. It ensures you are well equipped even for complex tasks – from fire fighting and hazardous substance operations in Ex zone 1 to the monitoring and documentation of training.

## Technical Data

### Dräger UCF 8000

Dimensions of camera (W × H × D)	125 × 280 × 110 mm
Weight	1.4 kg (3 lbs) incl. battery
<b>Display</b>	
Technology	Liquid crystal display (LCD)
Size (diagonal)	9 cm (3.5 inches)
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	384 × 288 Pixel
IR spectral	7 to 14 µm
Temperature sensitivity	Typically 0.035 °C (0.063 °F)
Picture frequency	50 Hz
<b>Optics</b>	
Material	Germanium
Focus	1 m to infinity
Field of view	Horizontal: 57° / Vertical: 41° / Diagonal: 74°
<b>Operation</b>	
Operation time (at 23 °C) with battery	Typically 4 hours
Temperature measurement	Digital temperature display: -40 °C ... 1,000 °C (-40 °F ... 1,832 °F)
Operating temperature	-40 °C to 85 °C (-40 °F ... 185 °F) (inside camera), 150 °C (300 °F) for 20 min, 260 °C (500 °F) for 10 min
Battery technology	Rechargeable lithium ion batteries
Battery status display	Precise 4-level battery indicator
Approvals	The Dräger UCF 8000 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

## Ordering Information

### Dräger UCF 8000

Dräger UCF 8000 (50 Hz)	83 25 350
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### 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
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", 2 × digital zoom, 3 additional application modes ("application switch") including thermal scan function and image and sound storage, 1 battery and 1 charger. Also includes USB cable (camera standard: USB 2.0 interface), attachable crawling plate, PC software, Instructions for Use and brief instruction.

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

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