

Dräger UCF® 8000 NFPA Certified Thermal Imaging Camera

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.



Benefits

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 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.

Additional image modes

Missing an important detail in a difficult environment can place lives at risk. Because of application-specific operating modes, you can optimize the image display of the Dräger UCF 8000 for the specific task at hand. For example, the camera's display can be optimized for finding individuals or sources of heat. In addition, the image display maintains a vertical orientation regardless of the camera's position. In addition to the standard thermal mode, the UCF 8000 offers three additional operating modes:

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

Simply by pressing a button, you can optimize the camera's display for the task at hand, giving you better information in any situation.

Extremely robust

This thermal imaging camera is reliable even in the roughest 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 its high protection class of IP67, the Dräger UCF 8000 is resistant to water and dust exposure. Modern lithium-ion battery technology enables the camera to operate for up to four hours – giving you peace of mind during long operations.

Comfortable one-hand operation

The ergonomic design and well-balanced light weight of only 3.1 lbs make the Dräger UCF 8000 easy to operate with just one hand. As a result, you'll always have one hand free. The intuitive operation makes it possible to use the camera safely and use its functionality to the full extent—even in highly stressful situations. A very sturdy detachable crawling plate enables you to put your weight on the camera while crawling. The camera also offers various carrying options for optimal comfort.

Extended functionality

Optimized image processing provides an overview in just seconds. The Dräger UCF 8000 even makes it possible to “see around corners” if your equipment limits your freedom of movement or field of view. The snapshot function provides a temporary freeze-frame of the thermal image, which can then be viewed on the

Benefits

display. This allows you to examine and scan difficult to access areas quickly and safely. The integrated laser pointer simplifies isolating and showing the position of hazards—such as hotspots—to other team members and clearly defines the path of attack. The Dräger UCF 8000 offers a high temperature resolution—even in hot situations. This makes it possible to detect cooler objects such as people with best possible resolution—even in the vicinity of a fire. The Dräger UCF 8000 integrates video and sound recording functions, as well as the ability to capture single images.

Standard USB interface

The Dräger UCF 8000 is equipped with a standard USB 2.0 interface, which makes it possible to configure the camera (e.g., setting a custom 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.

Continuous recording with full memory card

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

Accessories



Battery charger

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



Neck Strap

For carrying during use



Retractable Lanyard

For fixation on the breathing apparatus



Vehicle Installation Kit

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

Services



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



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 8000

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) incl. battery	
Display		
Technology	Liquid crystal display (LCD)	
Size (diagonal)	3.5 inches (9 cm)	
Application modes	Standard, Fire, Persons, Thermal Scan	
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	384 x 288 pixels	
IR spectral	7 to 14 µm	
Temperature sensitivity	Approximately 0.063°F (0.035°C)	
Picture frequency	50 Hz	
Optics		
Material	Germanium	
Focus	3.28 ft (1 meter) to infinity	
Field of view	Horizontal: 57° / Vertical: 41° / Diagonal: 74°	
Operation		
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 8000 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

Ordering Information

Dräger UCF® 8000

Dräger UCF® 8000 (50 Hz)	83 25 360
Accessories	
Transport case	83 21 099
Neck strap	83 23 031

Ordering Information

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, 2x digital zoom, 3 additional application modes including thermal scan function and image and sound storage, 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.

Notes

Not all products, features, or services are for sale in all countries.
Mentioned Trademarks are only registered in certain countries and not necessarily in the country in which this material is released. Go to www.draeger.com/trademarks to find the current status.

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