

Dräger UCF 6000 New Generation of Thermal Imaging Cameras

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.



D-33685-2010

- User-friendly one-hand operation
- Excellent image quality with a resolution of 160 x 120 pixels
- Integrated laser pointer to safely pinpoint hazards and as an "extended index finger"
- "snapshot"-function: Freeze-frame of the thermal image to check out difficult to access areas easily and quickly

SAFELY SEE MORE

Thermal imaging cameras by Dräger are valuable tools for lifesaving orientation when fire, smoke, and darkness make navigation difficult. Maintain your orientation and see where you are going as well as for finding persons or hotspots. Search and rescue will be significantly easier and safer in the future with the Dräger UCF 6000.

Based on the needs and requirements of professional search and rescue teams as well as firefighters, it was possible to optimize image quality, operation, and ruggedness yet again. The Dräger UCF 6000 is the result, offering new innovative functions while being very easy to use.

EXTREMELY ROBUST

This camera is reliable even in the roughest and toughest environments and with the most demanding applications. Equipped with an almost indestructible casing, the

Dräger UCF 6000 is heat-resistant and withstands usage-specific mechanical stresses with ease. Due to their high protection class of IP 67, Dräger UCF 6000 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 operations.

BETTER OVERVIEW

The Dräger UCF 6000 delivers excellent images even if visibility is less than optimal. When the current image is always right in front of your eyes, rooms and the immediate vicinity are searched quickly and safely. A resolution of 160 x 120 pixels and a field of vision of 47 degrees ensure that users are always informed about all details.



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DRÄGER UCF 6000



EXTENDED FUNCTIONALITY

Optimized image processing provides a quicker overview in just seconds.

The Dräger UCF 6000 even makes it possible to "see around corners" if the equipment limits the freedom of movement or the field of vision for example. The "snapshot"-function is used to provide a temporary freeze-frame of the 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 to clearly define the path of attack.

The Dräger UCF 6000 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 maximum resolution.

COMFORTABLE ONE-HAND OPERATION

Using the Dräger UCF 6000 means one hand is always free: an invaluable plus with added freedom of movement for the user. The compact design and well-balanced low weight of only 1.3 kg make the camera easy to operate with just one hand. Its intuitive use allows for the reliable and safe operation of the camera even in

difficult and 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. This as well as various carrying options offer optimal carrying comfort.

STANDARD USB INTERFACE

The Dräger UCF 6000 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.

EXTENSIVE RANGE OF ACCESSORIES

The Dräger UCF 6000 is shipped complete with USB cable, attachable "crawling plate", and PC software CD.

ORDER INFORMATION

Dräger UCF 6000

Dräger UCF 6000 (50 Hz)	83 21 127
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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
Lithium-Ion battery	83 21 242
Battery charger	83 21 247
Power supply for charger	83 16 994
Alcaline supply unit (incl. cells)	In preparation
Alcaline cells (3 x 2 pcs.)	In preparation
Truck charging kit (bracket and 12-30 V-cable)	83 21 253
Suck-Tripod, e.g. to mount 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 Li-Ion battery, 1 charger, USB-cable, attachable crawling plate, PC-software, instructions for use and brief instruction.

TECHNICAL DATA

Dräger UCF 6000

Dimensions of camera (B x H x T)	125 x 280 x 110 mm
Weight	1,335 g incl. battery

Display

Technology	Liquid cristal display (LCD)
Size (diagonal)	9 cm (3.5")

Housing

Protection cover	Rubber material EPDM
Carrying loops	High-temperature resistant material
Housing material	High-temperature resistant plastic
Protection class	IP 67

Infrared-specifications

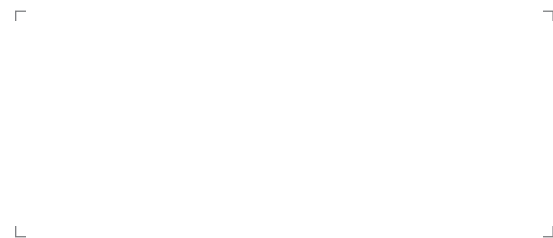
Type of sensor	a-Si Microbolometer Array
Resolution	160 x 120 Pixel
IR spectral	7 to 14 µm
Temperature sensitivity	typically 0.035°C
Picture frequency	50 Hz

Optics

Material	Germanium
Focus	From 1 m to infinity
Field of view	Horizontal: 47° / Vertical: 32° / Diagonal 62°

Operation

Operation time (at 23°C) with battery	typically 4 hours
Operation time (at 23°C) with alkaline power supply	typically 2 hours
Temperature measurement	Digital temperature display: -40°C ... 1,000°C
Operating temperature	-40°C ... 85°C
Battery technology	Rechargeable li-ion batteries
Battery display	Precise 4-level battery indicator
Approvals (pending)	NFPA 1801:2010

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