

Dräger UCF 1600 Basic Thermal Imaging Camera

The Dräger UCF 1600 Basic thermal imaging camera gives firefighters the performance that they expect from Dräger cameras, but at an affordable price. Dräger UCF 1600 Basic uses the latest microbolometer technology with the tradition of quality and performance and is suitable for use in the harshest of operating environments.



Designed to handle the rigors of firefighting, the Dräger UCF 1600 Basic camera gives the durability, performance and quality people have come to expect from the Dräger UCF cameras.

The Dräger UCF 1600 Basic camera core is fully protected against heat, water and dust as well as major shocks and harsh temperatures. The camera provides clear detailed images in smoke filled fire fighting environments. The VOx microbolometer camera engine covers a wide dynamic range for optimal performance.

Distant subjects are brought into closer view, and in greater detail using a standard digital 2X zoom. All the accessories from the Dräger UCF 3200 and Dräger UCF 1600 are also usable with the Dräger UCF 1600 Basic. That means that you can get a complete thermal imaging system with the Basic camera.

- Image/video capture handle
- Transmit Handle
- Crawling Handle

These robust ergonomic handles are especially suitable for use when crawling. The UCF 1600 Basic uses the SmartCell lithium ion battery, which provides operational use of up to four hours.

DRÄGER UCF 1600 BASIC ADVANTAGES:

- Ergonomic Design
- Latest VOx microbolometer
- Transparent color modes for high and low sense ranges
- 2X Zoom
- 4 Color Display
- Digital Direct Temperature Measurement
- All UCF camera accessories are interchangeable
- Picture/Video Handle
- Transmit Handle
- Crawling Handle
- Small, light and extremely robust
- Batteries and chargers are all interchangeable
- 2 year standard warranty

The Dräger UCF 1600 Basic Thermal Imaging camera gives you the simplicity of a two button camera and the performance they have come to expect from a Dräger. The affordable price helps the firefighters make owning a Dräger camera a reality.



D-44-08-2009

Dräger UCF 1600 Basic
the most affordable compact
microbolometer camera

TECHNICAL DATA**Weight**

Camera with battery	2.9 lbs. (approximately 1.3 kg)
Spare battery	0.5 lbs (240 g)
Dimensions (W x H x L)	5.6 x 5.5 x 7.0 inches (14 x 14 x 18 cm)

Display

Technology	Liquid Crystal Display (LCD)
Size (diagonal)	3.5 inches (9 cm)
Color Display (Temp Color)	Yellow, Orange, Red and Blue
Video standard	NTSC or PAL

Housing

Rubber boot material	Silicone Rubber
Side strap material	Kevlar
Shell material	High temperature plastic
Water and dust resistance	IP67 (ratings for dust and water)

Lens

Material	Germanium
Focus	Automatic, from 1 m to infinity
Field of view	44°

Infrared Properties

Sensor type	Uncooled VOx, microbolometer
Resolution	160 x 120 pixels
Spectral response	7 - 14 µm
Sensitivity	< 0.05 K (nominal)
Frame rate	60 Hz

Electrical properties and operation

Operation time at 74°F (23 °C)	4 hours
Temperature measurement (using cross fire technology)	Digital display of temperature: -40 °F (-40 °C) - 1095 °F (590 °C)
Operating Temperature	-40 °F (-40 °C) - 176 °F (80 °C) 300 °F (150 °C) 17 minutes 500 °F (260 °C) 9 minutes
Battery technology	Rechargeable, Li Ion
Heat test	NFPA 1981 2007 Edition
Vibration test	NFPA 1981 2007 Edition
Drop test	7 feet/2 meters onto concrete
Battery indicator	5 smart segment power indicator

Approvals

FCC, NOM, CE, DOT

ORDER INFORMATION**Description**

UCF 1600 Basic Thermal Imaging Camera

Order No.

40 58 305

GERMANY

Dräger Safety AG & Co. KGaA
Revalstrasse 1
23560 Lübeck
Germany

SUBSIDIARIES:**AUSTRALIA**

Dräger Safety Pacific Pty. Ltd.
Axxess Corporate Park
Unit 99, 45 Gilby Road
Mt. Waverley. Vic 3149
Tel +61 3 92 65 50 00
Fax +61 3 92 65 50 95

CANADA

Dräger Canada Ltd.
7555 Danbro Crescent
Mississauga,
Ontario L5N 6P9
Tel +1 905 821 89 88
Fax +1 905 821 25 65

P. R. CHINA

Beijing Fortune Draeger
Safety Equipment Co., Ltd.
A22 Yu An Rd, B Area,
Tianzhu Airport Industrial
Zone, Shunyi District,
Beijing 101300
Tel +86 10 80 49 80 00
Fax +86 10 80 49 80 05

FRANCE

Dräger Safety France SAS
3c route de la Fédération,
BP 80141
67025 Strasbourg Cedex 1
Tel +33 3 88 40 59 29
Fax +33 3 88 40 76 67

USA

Dräger Safety, Inc.
101 Technology Drive
Pittsburgh, PA 15275
Tel +1 412 787 83 83
Fax +1 412 787 22 07

MEXICO

Dräger Safety S.A. de C.V.
Av. Peñuelas No. 5
Bodega No. 37
Fraccionamiento Industrial
San Pedrito
Querétaro, Qro México
Tel +52 442 246-1113
Fax +52 442 246-1114

NETHERLANDS

Dräger Safety Nederland B.V.
Edisonstraat 53
2700 AH Zoetermeer
Tel +31 79 344 46 66
Fax +31 79 344 47 90

REP. OF SOUTH AFRICA

Dräger South Africa (Pty) Ltd.
P.O.Box 68601
Bryanston 2021
Tel +27 11 465 99 59
Fax +27 11 465 69 53

SINGAPORE

Dräger Safety Asia Pte Ltd
67 Ayer Rajah Crescent #06-03
Singapore 139950
Tel +65 68 72 92 88
Fax +65 65 12 19 08

SPAIN

Dräger Safety Hispania S.A.
Calle Xaudaró 5
28034 Madrid
Tel +34 91 728 34 00
Fax +34 91 729 48 99

UNITED KINGDOM

Dräger Safety UK Ltd.
Blyth Riverside Business Park
Blyth, Northumberland
NE24 4RG
Tel +44 1670 352 891
Fax +44 1670 356 266