

## P/N: 72001-0101

### Copyright

© 2015, FLIR Systems, Inc.

All rights reserved worldwide. Names and marks appearing herein are either registered trademarks or trademarks of FLIR Systems and/or its subsidiaries. All other trademarks, trade names or company names referenced herein are used for identification only and are the property of their respective owners.

### Document identity

Publ. No.: 72001-0101

Release:

Commit: 24597

Language: en-US

Modified: 2015-04-09

Formatted: 2015-04-10

### Corporate Headquarters

FLIR Systems, Inc.

27700 SW Parkway Ave.

Wilsonville, OR 97070

USA

Telephone: +1-503-498-3547

### Website

<http://www.flir.com>

### Customer support

<http://support.flir.com>

### Disclaimer

Specifications subject to change without further notice. Camera models and accessories subject to regional market considerations. License procedures may apply. Products described herein may be subject to US Export Regulations. Please refer to [exportquestions@flir.com](mailto:exportquestions@flir.com) with any questions.



Imaging and optical data	
NETD	100 mK
Field of view	41° × 31°
Minimum focus distance	<ul style="list-style-type: none"> <li>Thermal: 0.15 m (0.49 ft.)</li> <li>MSX: 1.0 m (3.3 ft.)</li> </ul>
Focal length	1.54 mm (0.061 in.)
Spatial resolution (IFOV)	11 mrad
F-number	1.1
Image frequency	9 Hz
Focus	Focus free

Detector data	
Focal Plane Array	Uncooled microbolometer
Spectral range	7.5–14 μm
Detector pitch	17 μm
IR sensor size	80 × 60

Image presentation	
Display (color)	<ul style="list-style-type: none"> <li>3.0 in.</li> <li>320 × 240 pixels</li> </ul>
Display, aspect ratio	4:3
Auto orientation	Yes
Touch screen	Yes, capacitive
Image adjustment (alignment calibration)	Yes

Image presentation modes	
Infrared image	Yes
Visual image	Yes
MSX	Yes
Gallery	Yes

Measurement	
Object temperature range	−10°C to +150°C (14 to 302°F)
Accuracy	±2°C (±3.6°F) or 2%, whichever is greater, at 25°C (77°F) nominal.

P/N: 72001-0101

© 2015, FLIR Systems, Inc.

#72001-0101; r. /24597; en-US

<b>Measurement analysis</b>	
Spotmeter	On/off
Emissivity correction	Yes; matt/semi-matt/semi-glossy + custom value
Measurements correction	<ul style="list-style-type: none"> <li>Emissivity</li> <li>Reflected apparent temperature</li> </ul>
<b>Set-up</b>	
Color palettes	<ul style="list-style-type: none"> <li>Iron</li> <li>Rainbow</li> <li>Rainbow HC</li> <li>Gray</li> </ul>
Set-up commands	Local adaptation of units, language, date and time formats
Languages	Arabic, Czech, Danish, Dutch, English, Finnish, French, German, Greek, Hungarian, Italian, Japanese, Korean, Norwegian, Polish, Portuguese, Russian, Simpl. Chinese, Spanish, Swedish, Trad. Chinese, Turkish.
<b>Lamp</b>	
Output power	0.85 W
Field of view	60°
<b>Service functions</b>	
Camera software update	Using FLIR Tools
<b>Storage of images</b>	
Storage media	Internal memory store at least 500 sets of images
Image file format	<ul style="list-style-type: none"> <li>Standard JPEG</li> <li>14-bit measurement data included</li> </ul>
<b>Video streaming</b>	
Non-radiometric IR video streaming	Yes
Visual video streaming	Yes
<b>Digital camera</b>	
Digital camera	640 × 480 pixels
Digital camera, focus	Fixed focus
<b>Data communication interfaces</b>	
USB, connector type	USB Micro-B: Data transfer to and from PC
USB, standard	USB 2.0
<b>Power system</b>	
Battery type	Rechargeable Li-ion polymer battery
Battery voltage	3.7 V
Battery operating time	2 h
Charging system	Charged inside the camera
Charging time	1.5 h
External power operation	<ul style="list-style-type: none"> <li>AC adapter, 90–260 VAC input</li> <li>5 V output to camera</li> </ul>
Power management	Automatic shut-down

**P/N: 72001-0101**

© 2015, FLIR Systems, Inc.

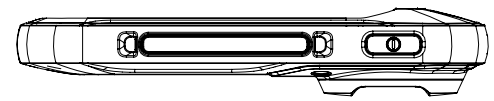
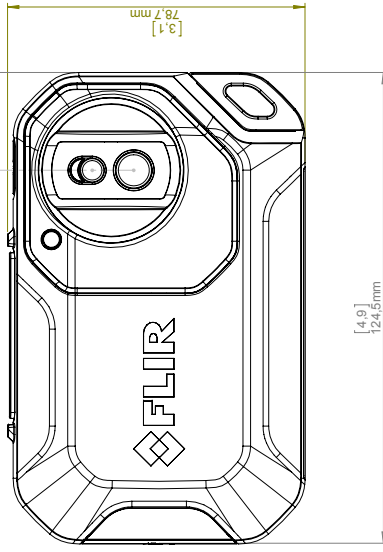
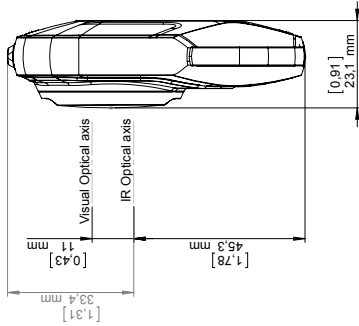
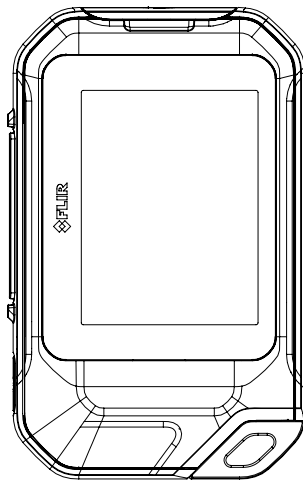
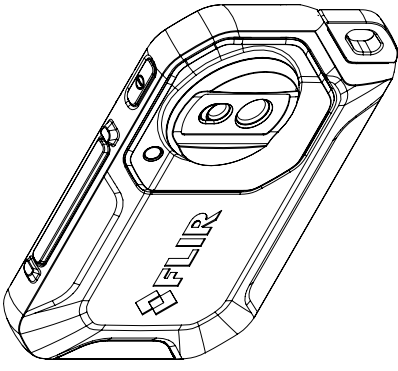
#72001-0101; r. /24597; en-US

<b>Environmental data</b>	
Operating temperature range	-10°C to +50°C (14 to 122°F)
Storage temperature range	-40°C to +70°C (-40 to 158°F)
Humidity (operating and storage)	IEC 60068-2-30/24 h 95% relative humidity +25°C to +40°C (+77°F to +104°F) / 2 cycles
Relative humidity	95% relative humidity +25°C to +40°C (+77°F to +104°F) non condensing
EMC	<ul style="list-style-type: none"> <li>• WEEE 2012/19/EC</li> <li>• RoHs 2011/65/EC</li> <li>• C-Tick</li> <li>• EN 61000-6-3</li> <li>• EN 61000-6-2</li> <li>• FCC 47 CFR Part 15 Class B</li> </ul>
Magnetic fields	EN 61000-4-8
Battery regulations	UL 1642
Encapsulation	Camera housing and lens: IP 40 (IEC 60529)
Shock	25 g (IEC 60068-2-27)
Vibration	2 g (IEC 60068-2-6)

<b>Physical data</b>	
Weight (incl. Battery)	0.13 kg (0.29 lb.)
Size (L x W x H)	125 x 80 x 24 mm (4.9 x 3.1 x 0.94 in.)
Tripod mounting	No
Housing material	<ul style="list-style-type: none"> <li>• PC and ABS, partially covered with TPE</li> <li>• Aluminum</li> </ul>
Color	Black and gray

<b>Shipping information</b>	
Packaging, type	Cardboard box
List of contents	<ul style="list-style-type: none"> <li>• Infrared camera</li> <li>• Lanyard</li> <li>• Power supply/charger with EU, UK, US, CN and Australian plugs</li> <li>• Printed getting started guide</li> <li>• USB memory stick with documentation</li> <li>• USB cable</li> </ul>
Packaging, weight	0.53 kg (1.17 lb.)
Packaging, size	175 x 115 x 75 mm (6.9 x 4.5 x 3.0 in.)
EAN-13	4743254001961
UPC-12	845188010614
Country of origin	Estonia

Camera with build-in IR lens f=1,54mm



©2012 FLIR Systems, Inc. All rights reserved worldwide. No part of this drawing may be reproduced, stored in a retrieval system, or transmitted in any form, or by any means, electronic, mechanical, photocopying, recording, or otherwise, without written permission from FLIR Systems, Inc. Specifications subject to change without further notice. Dimensional data is based on nominal values. Products may be subject to regional market considerations. License procedures may apply. Product may be subject to US Export Regulations. Please refer to exportquestions@flir.com with any questions. Division contrary to US law is prohibited.

	<b>FLIR</b> Size: A2 Scale: 1:1 Sheet: 1(1) Drawing No.: T128439
Modified: 2014-12-18 Denomination:	Check: MABR Drawn by: R&D Thermography Basic Dimensions Flir Cx

## CE Declaration of Conformity

This is to certify that the System listed below have been designed and manufactured to meet the requirements, as applicable, of the following EU-Directives and corresponding harmonising standards. The systems consequently meet the requirements for the CE-mark.

Directives:

**Directive 2004/108/EC; Electromagnetic Compatibility**

Standards:

**Information technology: EN 55022 Radio disturbance characteristics-  
(AC:2011)**

**Information technology: EN 55024 Immunity characteristics-  
(CISPR 24:2010)**

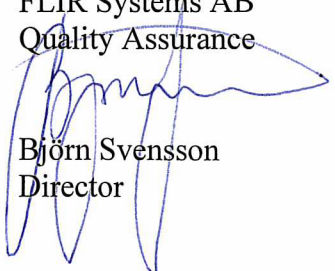
Additional standards:

**Emission: EN 61000-6-3; Electro magnetic Compatibility  
Generic standards - Emission**

**Immunity: EN 61000-6-2; Electro magnetic Compatibility;  
Generic standards - Immunity**

System: **FLIR C2-series**

FLIR Systems AB  
Quality Assurance



Björn Svensson  
Director