



Test and Measurement Instruments C.C.
Tel: 011 683 4365 Website: www.instrumentsgroup.co.za

FLIR C2

P/N: 72001-0101



| Imaging and optical data | |
|---------------------------------|---|
| NETD | 100 mK |
| Field of view | 41° × 31° |
| Minimum focus distance | <ul style="list-style-type: none">• Thermal: 0.15 m (0.49 ft.)• MSX: 1.0 m (3.3 ft.) |
| 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">• 3.0 in.• 320 × 240 pixels |

FLIR C2

| Image presentation | |
|--|-----------------|
| 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. |

| Measurement analysis | |
|-----------------------------|--|
| Spotmeter | On/off |
| Emissivity correction | Yes; matt/semi-matt/semi-glossy + custom value |
| Measurements correction | <ul style="list-style-type: none"> • Emissivity • Reflected apparent temperature |

| Set-up | |
|-----------------|--|
| Color palettes | <ul style="list-style-type: none"> • Iron • Rainbow • Rainbow HC • Gray |
| 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. |

FLIR C2

| | |
|---------------|--------|
| Lamp | |
| Output power | 0.85 W |
| Field of view | 60° |

| | |
|--------------------------|------------------|
| Service functions | |
| Camera software update | Using FLIR Tools |

| | |
|--------------------------|--|
| Storage of images | |
| Storage media | Internal memory store at least 500 sets of images |
| Image file format | <ul style="list-style-type: none">• Standard JPEG• 14-bit measurement data included |

| | |
|------------------------------------|-----|
| Video streaming | |
| Non-radiometric IR video streaming | Yes |
| Visual video streaming | Yes |

| | |
|-----------------------|------------------|
| Digital camera | |
| Digital camera | 640 × 480 pixels |
| Digital camera, focus | Fixed focus |

| | |
|--------------------------------------|---|
| Data communication interfaces | |
| USB, connector type | USB Micro-B: Data transfer to and from PC |
| USB, standard | USB 2.0 |

| | |
|--------------------------|---|
| Power system | |
| 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">• AC adapter, 90–260 VAC input• 5 V output to camera |

FLIR C2

| | |
|----------------------------------|---|
| Power system | |
| Power management | Automatic shut-down |
| Environmental data | |
| 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"> • WEEE 2012/19/EC • RoHS 2011/65/EC • C-Tick • EN 61000-6-3 • EN 61000-6-2 • FCC 47 CFR Part 15 Class B |
| 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) |
| Physical data | |
| 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"> • PC and ABS, partially covered with TPE • Aluminum |
| Color | Black and gray |
| Shipping information | |
| Packaging, type | Cardboard box |
| List of contents | <ul style="list-style-type: none"> • Infrared camera • Lanyard • Power supply/charger with EU, UK, US, CN and Australian plugs • Printed getting started guide • USB memory stick with documentation |

FLIR C2

| Shipping information | |
|----------------------|---|
| | • USB cable |
| Packaging, weight | 0.53 kg (1.17 lb.) |
| Packaging, size | 175 × 115 × 75 mm (6.9 × 4.5 × 3.0 in.) |
| EAN-13 | 4743254001961 |
| UPC-12 | 845188010614 |
| Country of origin | Estonia |

Disclaimer

© 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. 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 jsantos@instrumentsgroup.co.za with any questions.