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Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China





FLIR C3 (incl. Wi-Fi)

P/N: 72003-0303

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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 with any questions.



| 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 |
| 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 |
| Picture in Picture | IR area on visual image |



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| 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 |
| Area | Box with max./min. |
| Emissivity correction | Yes; matt/semi-matt/semi-glossy + custom value |
| Measurements correction | <ul style="list-style-type: none">EmissivityReflected apparent temperature |
| Set-up | |
| Color palettes | <ul style="list-style-type: none">IronRainbowRainbow HCGray |
| 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. |
| 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 JPEG14-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 | |
| Wi-Fi | Peer-to-peer (ad hoc) or infrastructure (network) |
| USB, connector type | USB Micro-B: Data transfer to and from PC |
| USB, standard | USB 2.0 |



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| Radio | |
|----------------------------------|--|
| Wi-Fi | <ul style="list-style-type: none">• Standard: 802.11 b/g/n• Frequency range:<ul style="list-style-type: none">◦ 2400–2480 MHz◦ 5150–5260 MHz• Max. output power: 15 dBm |
| 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 |
| 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 |
| Radio spectrum | <ul style="list-style-type: none">• ETSI EN 300 328• FCC 47 CSR Part 15• RSS-247 Issue 2 |
| 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) |
| Drop | 2 m (6.6 ft.) |
| Physical data | |
| Weight (incl. Battery) | 0.13 kg (0.29 lb.) |
| Size (L × W × H) | 125 × 80 × 24 mm (4.9 × 3.1 × 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 |



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| Shipping information | |
|----------------------|--|
| Packaging, type | Cardboard box |
| List of contents | <ul style="list-style-type: none">• Infrared camera• Lanyard• Pouch• Power supply/charger with EU, UK, US, CN and Australian plugs• Printed documentation• Tripod mount• USB cable |
| Packaging, weight | TBD |
| Packaging, size | 175 × 110 × 105 mm (6.9 × 4.3 × 4.1 in.) |
| EAN-13 | 4743254002845 |
| UPC-12 | 845188014094 |
| Country of origin | Estonia |