

# FLIR E86 80°

**P/N: 78519-1301**

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**Website**

<http://www.flir.com>

**Customer support**

<http://support.flir.com>

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| Imaging and optical data         |                                                                                                                                                                           |
|----------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Infrared resolution              | 464 × 348 pixels                                                                                                                                                          |
| UltraMax (super-resolution)      | Yes                                                                                                                                                                       |
| NETD                             | <40 mK @ +30°C (+86°F)                                                                                                                                                    |
| Field of view                    | 80° × 63°                                                                                                                                                                 |
| Minimum focus distance           | 0.1 m (0.33 ft.)                                                                                                                                                          |
| Focal length                     | 5 mm (0.19 in.)                                                                                                                                                           |
| Spatial resolution (IFOV)        | 3.6 mrad/pixel                                                                                                                                                            |
| Available extra lenses           | <ul style="list-style-type: none"><li>• 14° (AutoCal)</li><li>• 24° (AutoCal)</li><li>• 42° (AutoCal)</li><li>• Dual FOV 24°/14° (service calibration required)</li></ul> |
| Lens identification              | Automatic                                                                                                                                                                 |
| f number                         | 1.3                                                                                                                                                                       |
| Image frequency                  | 30 Hz                                                                                                                                                                     |
| Focus                            | <ul style="list-style-type: none"><li>• Continuous LDM</li><li>• One-shot LDM</li><li>• One-shot contrast</li><li>• Manual</li></ul>                                      |
| Field of view match              | Yes                                                                                                                                                                       |
| Digital zoom                     | 1–4× continuous                                                                                                                                                           |
| Detector data                    |                                                                                                                                                                           |
| Focal plane array/spectral range | Uncooled microbolometer/7.5–14 μm                                                                                                                                         |
| Detector pitch                   | 17 μm                                                                                                                                                                     |

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| Image presentation         |                                                                                                                                      |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------|
| Resolution                 | 640 × 480 pixels (VGA)                                                                                                               |
| Surface brightness (cd/m²) | 400                                                                                                                                  |
| Screen size                | 4 in.                                                                                                                                |
| Viewing angle              | 80°                                                                                                                                  |
| Color depth (bits)         | 24                                                                                                                                   |
| Aspect ratio               | 4:3                                                                                                                                  |
| Auto-rotation              | Yes                                                                                                                                  |
| Touchscreen                | Optically bonded PCAP                                                                                                                |
| Display technology         | IPS                                                                                                                                  |
| Cover glass material       | Dragontrail®                                                                                                                         |
| Programmable buttons       | 1                                                                                                                                    |
| Viewfinder                 | No                                                                                                                                   |
| Image adjustment           | <ul style="list-style-type: none"><li>• Automatic</li><li>• Automatic maximum</li><li>• Automatic minimum</li><li>• Manual</li></ul> |

| Image presentation modes |                                                                                                                            |
|--------------------------|----------------------------------------------------------------------------------------------------------------------------|
| Infrared image           | Yes                                                                                                                        |
| Visual image             | <ul style="list-style-type: none"><li>• No, with 80° lens</li><li>• Yes, with other lenses</li></ul>                       |
| Thermal fusion           | No                                                                                                                         |
| MSX                      | <ul style="list-style-type: none"><li>• No, with 80° lens</li><li>• Yes, with other lenses</li></ul>                       |
| Picture in Picture       | Resizable and movable <ul style="list-style-type: none"><li>• No, with 80° lens</li><li>• Yes, with other lenses</li></ul> |
| Gallery                  | Yes                                                                                                                        |

| Measurement                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|-----------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Camera temperature range                                                          | <ul style="list-style-type: none"><li>• -20 to 120°C (-4 to 248°F)</li><li>• 0 to 650°C (32 to 1202°F)</li><li>• 300 to 1500°C (572 to 2732°F)</li></ul>                                                                                                                                                                                                                                                                                                     |
| Object temperature range and accuracy (for ambient temp. 15 to 35°C (59 to 95°F)) | <ul style="list-style-type: none"><li>• Range -20 to 120°C (-4 to 248°F):<ul style="list-style-type: none"><li>◦ -20 to 100°C (-4 to 212°F): ±2°C (±3.6°F)</li><li>◦ 100 to 120°C (212 to 248°F): ±2%</li></ul></li><li>• Range 0 to 650°C (32 to 1202°F):<ul style="list-style-type: none"><li>◦ 0 to 100°C (32 to 212°F): ±2°C (±3.6°F)</li><li>◦ 100 to 650°C (212 to 1202°F): ±2%</li></ul></li><li>• Range 300 to 1500°C (572 to 2732°F): ±2%</li></ul> |

| Inspection mode       |                       |
|-----------------------|-----------------------|
| FLIR Inspection route | Enabled in the camera |

| Measurement analysis         |                                          |
|------------------------------|------------------------------------------|
| Spotmeter                    | 3 in live mode                           |
| Area                         | 3 in live mode                           |
| Automatic hot/cold detection | Auto-maximum/minimum markers within area |

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| Measurement analysis                |                                                                                                                                                                    |
|-------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Measurement presets                 | <ul style="list-style-type: none"><li>No measurements</li><li>Center spot</li><li>Hot spot</li><li>Cold spot</li><li>User preset 1</li><li>User preset 2</li></ul> |
| Difference temperature              | Yes                                                                                                                                                                |
| Reference temperature               | Yes                                                                                                                                                                |
| Emissivity correction               | Yes: variable from 0.01 to 1.0 or selected from materials list                                                                                                     |
| Measurement corrections             | Yes                                                                                                                                                                |
| External optics/windows correction  | Yes                                                                                                                                                                |
| Alarm                               |                                                                                                                                                                    |
| Color alarm (isotherm)              | <ul style="list-style-type: none"><li>Above</li><li>Below</li><li>Interval</li><li>Condensation (moisture/humidity/dewpoint)</li><li>Insulation</li></ul>          |
| Measurement function alarm          | Audible/visual alarms (above/below) on any selected measurement function                                                                                           |
| Set-up                              |                                                                                                                                                                    |
| Color palettes                      | <ul style="list-style-type: none"><li>Arctic</li><li>White hot</li><li>Black hot</li><li>Iron</li><li>Lava</li><li>Rainbow</li><li>Rainbow HC</li></ul>            |
| Setup commands                      | Local adaptation of units, language, date and time formats                                                                                                         |
| Languages                           | 21                                                                                                                                                                 |
| Service functions                   |                                                                                                                                                                    |
| Camera software update              | Using USB cable or SD card                                                                                                                                         |
| Storage of images                   |                                                                                                                                                                    |
| Storage media                       | <ul style="list-style-type: none"><li>Removable memory: SD card (8 GB)</li><li>FLIR Ignite Cloud services (with Wi-Fi)</li></ul>                                   |
| Time lapse (periodic image storage) | 10 seconds to 24 hours (infrared)                                                                                                                                  |
| Remote control operation            | Using USB cable or Wi-Fi                                                                                                                                           |
| Image file format                   | Standard JPEG, measurement data included.<br>Infrared-only mode                                                                                                    |
| Image annotations                   |                                                                                                                                                                    |
| Voice                               | 60 seconds built-in microphone and speaker (and via Bluetooth) on still images and video                                                                           |
| Text                                | Text from predefined list or soft keyboard on touchscreen                                                                                                          |
| Visual image annotation             | <ul style="list-style-type: none"><li>No, with 80° lens</li><li>Yes, with other lenses</li></ul>                                                                   |
| Image sketch                        | Yes: on infrared images only                                                                                                                                       |
| Sketch                              | From touchscreen                                                                                                                                                   |

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| Image annotations                                                                                                                                                                             |                                                                                                                                                           |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| METERLiNK                                                                                                                                                                                     | Wireless connection (Bluetooth) to:<br>FLIR meters with METERLiNK                                                                                         |
| Compass                                                                                                                                                                                       | Yes                                                                                                                                                       |
| Laser distance meter information                                                                                                                                                              | Yes                                                                                                                                                       |
| Area measurement information                                                                                                                                                                  | Yes                                                                                                                                                       |
| GPS                                                                                                                                                                                           | Yes: location data automatically added to every still image and the first frame in video from built-in GPS                                                |
| Video recording in camera                                                                                                                                                                     |                                                                                                                                                           |
| Radiometric infrared-video recording                                                                                                                                                          | RTRR (.csq)                                                                                                                                               |
| Non-radiometric infrared-video recording                                                                                                                                                      | H.264 to memory card                                                                                                                                      |
| Visual video recording                                                                                                                                                                        | H.264 to memory card <ul style="list-style-type: none"> <li>No, with 80° lens</li> <li>Yes, with other lenses</li> </ul>                                  |
| Video streaming                                                                                                                                                                               |                                                                                                                                                           |
| Radiometric infrared-video streaming (compressed)                                                                                                                                             | Over UVC                                                                                                                                                  |
| Non-radiometric video streaming <ul style="list-style-type: none"> <li>compressed: IR (with 80° lens)</li> <li>compressed: IR, MSX, visual, Picture in Picture (with other lenses)</li> </ul> | <ul style="list-style-type: none"> <li>H.264 (AVC) over RTSP (Wi-Fi)</li> <li>MPEG4 over RTSP (Wi-Fi)</li> <li>MJPEG over UVC and RTSP (Wi-Fi)</li> </ul> |
| Visual video streaming                                                                                                                                                                        | Yes <ul style="list-style-type: none"> <li>No, with 80° lens</li> <li>Yes, with other lenses</li> </ul>                                                   |
| Digital camera                                                                                                                                                                                |                                                                                                                                                           |
| <ul style="list-style-type: none"> <li>No, with 80° lens</li> <li>Yes, with other lenses</li> </ul>                                                                                           |                                                                                                                                                           |
| Resolution                                                                                                                                                                                    | 5 MP with LED light                                                                                                                                       |
| Focus                                                                                                                                                                                         | Fixed                                                                                                                                                     |
| Field of view                                                                                                                                                                                 | 53° × 41°                                                                                                                                                 |
| Video lamp                                                                                                                                                                                    | Built-in LED light                                                                                                                                        |
| Laser pointer                                                                                                                                                                                 |                                                                                                                                                           |
| Laser alignment                                                                                                                                                                               | Position is automatically displayed on the infrared image                                                                                                 |
| Laser distance meter                                                                                                                                                                          | Activated by a dedicated button                                                                                                                           |
| Laser                                                                                                                                                                                         | Class 2, 0.05–40 m (1.6–131 ft.) ±1% of measured distance                                                                                                 |
| Data communication interfaces                                                                                                                                                                 |                                                                                                                                                           |
| Interfaces                                                                                                                                                                                    | USB 2.0, Bluetooth, Wi-Fi, DisplayPort                                                                                                                    |
| METERLiNK/Bluetooth                                                                                                                                                                           | Communication with headset and external sensors                                                                                                           |
| Wi-Fi                                                                                                                                                                                         | Peer to peer ( <i>ad hoc</i> ) or infrastructure (network)                                                                                                |
| Audio                                                                                                                                                                                         | Microphone and speaker for voice annotation of images                                                                                                     |
| USB                                                                                                                                                                                           | USB Type-C: data transfer/video/power                                                                                                                     |
| USB standard                                                                                                                                                                                  | USB 2.0 High Speed                                                                                                                                        |
| Video out                                                                                                                                                                                     | DisplayPort                                                                                                                                               |

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| Data communication interfaces         |                                                                                                                                                                                                                                 |
|---------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Video connector type                  | DisplayPort over USB Type-C                                                                                                                                                                                                     |
| Cloud services                        | FLIR Ignite Cloud services                                                                                                                                                                                                      |
| Radio                                 |                                                                                                                                                                                                                                 |
| Operating frequency                   | Bluetooth + EDR/LE: 2402–2480 MHz<br>WLAN 2.4 GHz: 2412–2462 MHz<br>WLAN 5 GHz: 5150–5350 MHz (DFS: only slave mode)<br>Note that frequency band 5150–5350 MHz is for indoor use only, see national regulations.                |
| RF output (EIRP)                      | Bluetooth + EDR/LE: < 10 dBm<br>WLAN: < 17 dBm                                                                                                                                                                                  |
| Antenna                               | Integrated PIFA antenna (gain: maximum 1.4 dBi)                                                                                                                                                                                 |
| Power system                          |                                                                                                                                                                                                                                 |
| Battery type                          | Rechargeable Li-ion battery                                                                                                                                                                                                     |
| Battery voltage                       | 3.6 V                                                                                                                                                                                                                           |
| Battery operating time                | > 2.5 hours at 25°C (68°F) and typical use                                                                                                                                                                                      |
| Charging system                       | In camera (AC adapter or 12 V from a vehicle) or two-bay charger                                                                                                                                                                |
| Charging time (using two-bay charger) | 2.5 hours to 90% capacity with charging status indicated by LEDs                                                                                                                                                                |
| Charging temperature                  | 0°C to +45°C (+32°F to +113°F), except for the Korean market: +10°C to +45°C (+50°F to +113°F)                                                                                                                                  |
| External power operation              | AC adapter 90–260 V AC, 50/60 Hz, or 12 V from a vehicle (cable with standard plug—optional)                                                                                                                                    |
| Power management                      | Automatic shut-down and sleep mode                                                                                                                                                                                              |
| Battery documents                     | For documents like MSDS and UN38.3 test reports/summaries, see:<br><a href="https://support.flir.com/resources/msds">https://support.flir.com/resources/msds</a>                                                                |
| Environmental data                    |                                                                                                                                                                                                                                 |
| Operating temperature range           | –15 to +50°C (5–122°F)                                                                                                                                                                                                          |
| Storage temperature range             | –40 to +70°C (–40 to +158°F)                                                                                                                                                                                                    |
| Humidity (operating and storage)      | IEC 60068-2-30/24 hours/95% relative humidity<br>25–40°C (77–104°F)/two cycles                                                                                                                                                  |
| EMC                                   | <ul style="list-style-type: none"><li>• ETSI EN 301 489-1 (radio)</li><li>• ETSI EN 301 489-17</li><li>• EN 61000-6-2 (immunity)</li><li>• EN 61000-6-3 (emission)</li><li>• FCC 47 CFR part 15 B, class B (emission)</li></ul> |
| Radio spectrum                        | <ul style="list-style-type: none"><li>• ETSI EN 300 328</li><li>• ETSI EN 301 893</li><li>• FCC 47 CFR part 15 C</li><li>• FCC 47 CFR part 15 E</li></ul>                                                                       |
| Encapsulation                         | IP 54 (IEC 60529)                                                                                                                                                                                                               |
| Shock                                 | 25g (IEC 60068-2-27)                                                                                                                                                                                                            |
| Vibration                             | 2g (IEC 60068-2-6)                                                                                                                                                                                                              |
| Drop                                  | Designed for 2 m (6.6 ft.)                                                                                                                                                                                                      |

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| Environmental data         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Safety                     | Camera: <ul style="list-style-type: none"><li>• IEC/EN 60950-1, IEC/EN 62368-1</li></ul> Power supply: <ul style="list-style-type: none"><li>• IEC/EN 62368-1</li><li>• CSA/UL/KC/SAA/PSE 60950-1</li></ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Declaration of conformity  | See: <a href="https://support.flir.com/resources/DoC">https://support.flir.com/resources/DoC</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Physical data              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Weight (including battery) | 1.3 kg (2.9 lb.)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Size (L × W × H)           | 278 × 120 × 113 mm (10.9 × 4.7 × 4.4 in.)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Battery weight             | 140 g (4.9 oz.)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Battery size (L × W × H)   | 150 × 46 × 55 mm (5.9 × 1.8 × 2.2 in.)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Tripod mounting            | UNC ¼"-20                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Housing material           | PCABS with TPE, magnesium                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Color                      | Black                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Warranty and service       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Warranty                   | <a href="http://www.flir.com/warranty/">http://www.flir.com/warranty/</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Shipping information       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Packaging, type            | Cardboard box                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Packaging, contents        | <ul style="list-style-type: none"><li>• Accessory Box I:<ul style="list-style-type: none"><li>◦ Power supply for battery charger</li><li>◦ Power supply, 15 W/3 A</li><li>◦ Printed documentation</li><li>◦ SD card (8 GB)</li><li>◦ USB 2.0 A to USB Type-C cable, 1.0 m</li><li>◦ USB Type-C to HDMI adapter, standard specification UH311</li><li>◦ USB Type-C to USB Type-C cable (USB 2.0 standard), 1.0 m</li></ul></li><li>• Accessory box II:<ul style="list-style-type: none"><li>◦ Accessory box III:<ul style="list-style-type: none"><li>– Front protection fastener</li><li>– Hand strap bracket, left</li><li>– Hand strap bracket, right</li><li>– Screws</li><li>– Torx T10 wrench</li></ul></li><li>◦ Carabiner hook</li><li>◦ Front protection</li><li>◦ Hand strap</li><li>◦ Lanyard strap, camera</li><li>◦ Lens cap strap</li><li>◦ Wrist strap</li></ul></li><li>• Battery (2 ea)</li><li>• Battery charger</li><li>• FLIR Thermal Studio Starter</li><li>• Hard transport case</li><li>• Infrared camera with lens</li><li>• Lens cap, front</li><li>• Lens cap, front and rear (only for extra lenses)</li></ul> |
| Packaging, weight          | 6.0 kg (13 lb.)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Packaging, size            | 500 × 190 × 370 mm (19.7 × 7.5 × 14.6 in.)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| EAN-13                     | 4743254006768                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |

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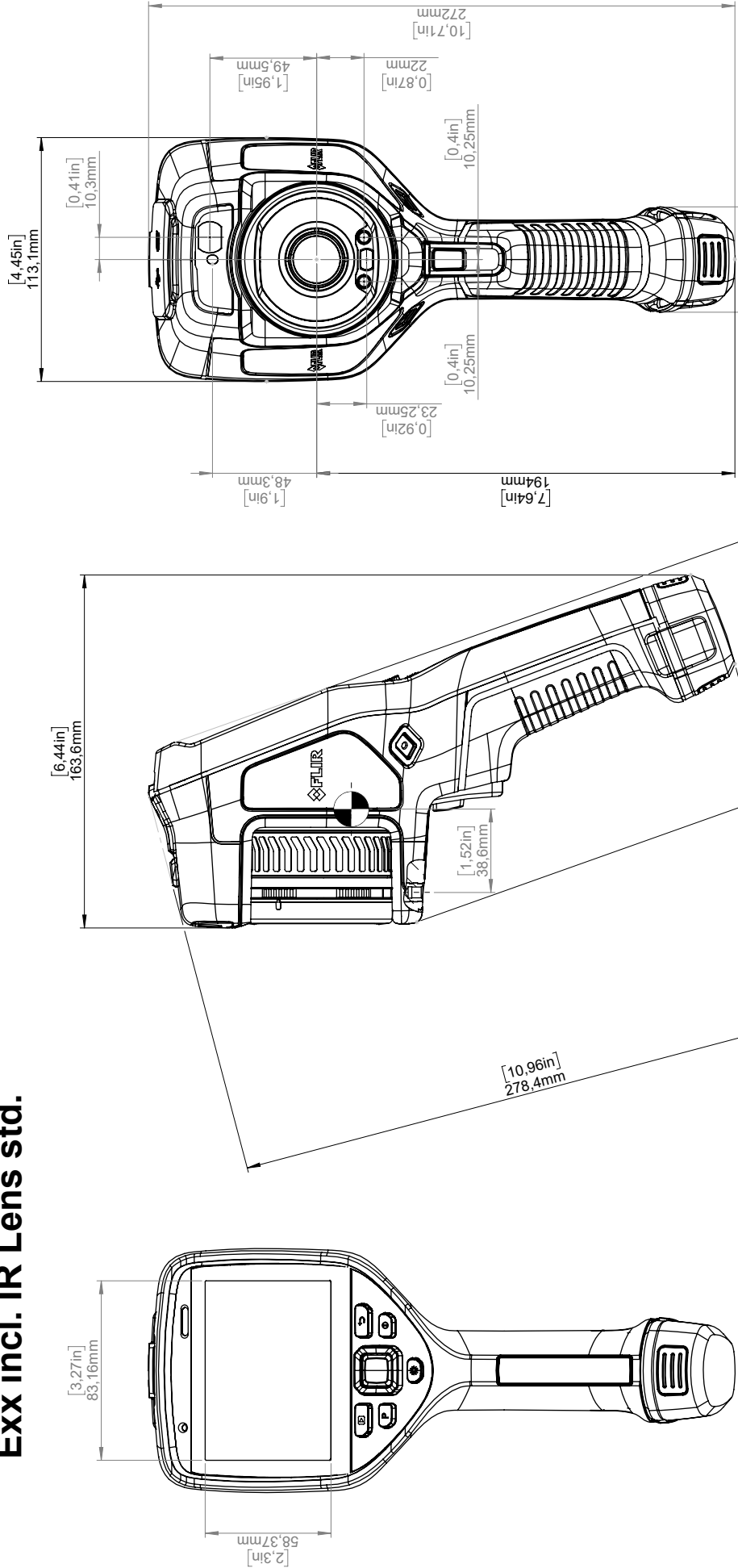
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| Shipping information |              |
|----------------------|--------------|
| UPC-12               | 845188029951 |
| Country of origin    | Estonia      |

### Supplies & accessories:

- T300587; IR lens Dual FOV, f=17/29 mm (24°/14°) with case
- T131171ACC; Remote operation button
- T300030; Option, No radio
- T911997; Tripod
- T911998; HDMI 2-port video splitter
- T300369; Mounting kit (FLIR T5xx, T8xx, Exx)
- T300768; Port adapter
- T300493ACC; Industrial protective lens window
- T850111; Option, Dual streaming
- T130337ACC; Calibration target
- T199330ACC; Battery
- T199346ACC; Hard transport case for FLIR Exx series
- T199425ACC; Battery charger
- T199557ACC; Accessory Box II
- T911630ACC; Power supply for camera, 15 W/3 A
- T911633ACC; Power supply for battery charger
- T911689ACC; Pouch for FLIR E-series
- T911705ACC; USB Type-C to USB Type-C cable (USB 2.0 standard), 1.0 m
- T911706ACC; Car adapter 12 V
- T911845ACC; USB Type-C to HDMI and PD adapter
- T911846ACC; USB 2.0 A to USB Type-C with Power supply
- T911940ACC; USB 2.0 A to USB Type-C cable, 1.0 m
- T300437ACC; Lens case
- T199588; IR lens, f=29 mm (14°) with case
- T199589; IR lens, f=17 mm (24°) with case
- T199590; IR lens, f=10 mm (42°) with case
- T300805; IR lens, f=5 mm (80°) with case
- T197771ACC; Bluetooth Headset
- T300244; FLIR Route Creator Plugin for FLIR Thermal Studio Pro, 1 Year Subscription
- T300439; FLIR Route Creator Plugin for FLIR Thermal Studio Pro, Perpetual license
- T300243; FLIR Thermal Studio Pro, 1 Year Subscription
- T300083; FLIR Thermal Studio Pro, Perpetual license
- T300341; FLIR Thermal Studio Standard, 1 Year Subscription
- T300258; FLIR Thermal Studio Standard, Perpetual license
- 4232535; FLIR Research Studio, Professional Edition - 1 Year Subscription (online activation)
- 4232556; FLIR Research Studio, Professional Edition - Perpetual License (online activation)
- 4232590; FLIR Research Studio, Professional Edition - Perpetual License (USB dongle)
- 4220499; FLIR Research Studio, Standard Edition - 1 Year Subscription (online activation)
- 4220500; FLIR Research Studio, Standard Edition - Perpetual License (online activation)
- 4220646; FLIR Research Studio, Standard Edition - Perpetual License (USB dongle)
- T198696; FLIR ResearchIR Max 4 (hardware sec. dev.)
- T199013; FLIR ResearchIR Max 4 (printed license key)
- T199043; FLIR ResearchIR Max 4 Upgrade (printed license key)
- 4232591; FLIR ResearchIR to Research Studio, Professional Edition - 1 Year License Upgrade

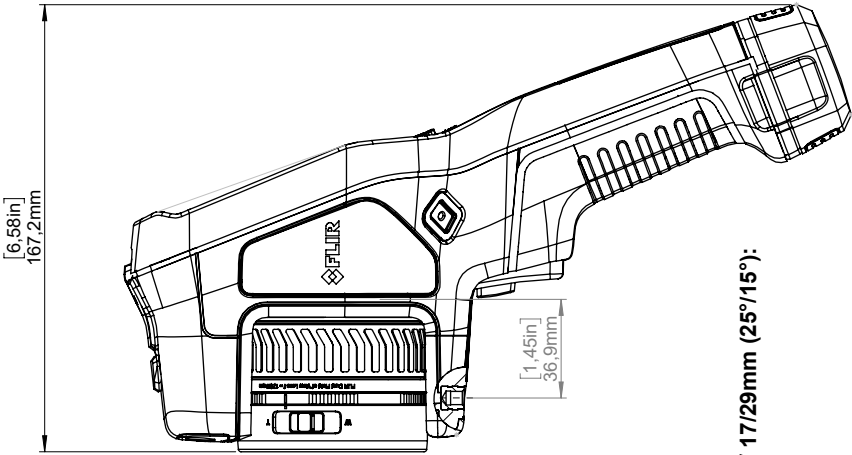
Exx incl. IR Lens std.



|                                                                   |  |                       |  |                        |  |                                                                                     |  |
|-------------------------------------------------------------------|--|-----------------------|--|------------------------|--|-------------------------------------------------------------------------------------|--|
| Modified by<br>A. AGARDSON                                        |  | Approved by<br>AKZE   |  | Modified<br>2023-09-29 |  |   |  |
| Denomination<br><br>Basic dimension drawing Exx                   |  | Size<br>A3            |  | Sheet<br>1(5)          |  |  |  |
|                                                                   |  | Scale<br>1:2          |  | Rev<br>E               |  |                                                                                     |  |
|                                                                   |  | Drawing No<br>T130127 |  |                        |  |                                                                                     |  |
| This document does not contain any export-controlled information. |  |                       |  |                        |  |                                                                                     |  |

|      |  |      |  |      |  |      |  |      |  |      |  |      |  |
|------|--|------|--|------|--|------|--|------|--|------|--|------|--|
| A    |  | B    |  | C    |  | D    |  | E    |  | F    |  | G    |  |
| 1    |  | 2    |  | 3    |  | 4    |  | 5    |  | 6    |  | 7    |  |
| 8    |  | 9    |  | 10   |  | 11   |  | 12   |  | 13   |  | 14   |  |
| 15   |  | 16   |  | 17   |  | 18   |  | 19   |  | 20   |  | 21   |  |
| 22   |  | 23   |  | 24   |  | 25   |  | 26   |  | 27   |  | 28   |  |
| 29   |  | 30   |  | 31   |  | 32   |  | 33   |  | 34   |  | 35   |  |
| 36   |  | 37   |  | 38   |  | 39   |  | 40   |  | 41   |  | 42   |  |
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| 1065 |  | 1066 |  | 1067 |  | 106  |  |      |  |      |  |      |  |

Exx incl. IR Lens DFOV 17/29mm



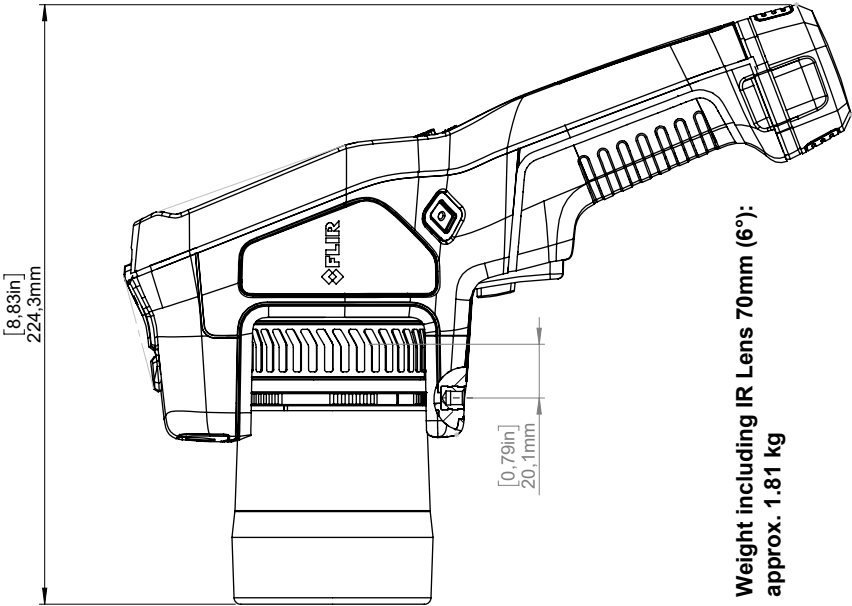
Weight including IR Lens DFOV 17/29mm (25°/15°):  
approx. 1.16 kg

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|-------------------------------------------------------------------|---------------------|------------------------|-----------------------|---------------|
| Modified by<br>A. AGARDSON                                        | Approved by<br>AKZE | Modified<br>2023-09-29 | FLIR                  |               |
| This document does not contain any export-controlled information. |                     |                        | Size<br>A3            | Sheet<br>2(5) |
| Denomination<br>Basic dimension drawing Exx                       |                     |                        | Scale<br>1:2          | Rev<br>E      |
|                                                                   |                     |                        | Drawing No<br>T130127 |               |

Exx incl. IR Lens 70mm



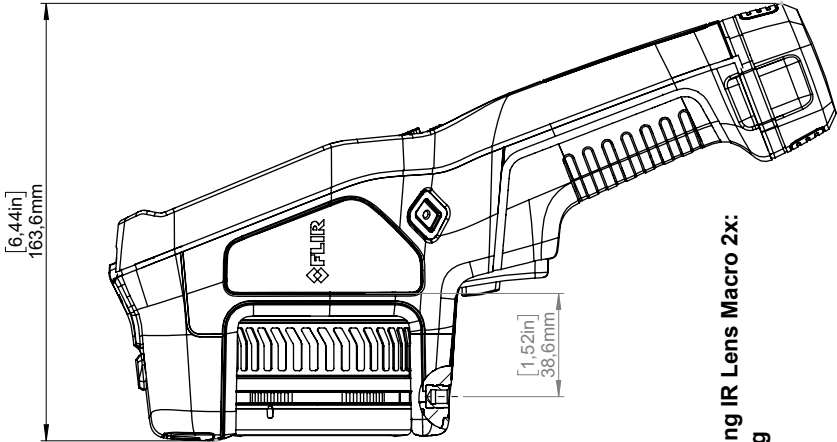
Weight including IR Lens 70mm (6°):  
approx. 1.81 kg

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| Modified by<br>A. AGARDSON                                        |  | Approved by<br>AKZE | Modified<br>2023-09-29 | FLIR                  |               |
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| Denomination<br>Basic dimension drawing Exx                       |  |                     |                        | Scale<br>1:2          | Rev<br>E      |
|                                                                   |  |                     |                        | Drawing No<br>T130127 |               |

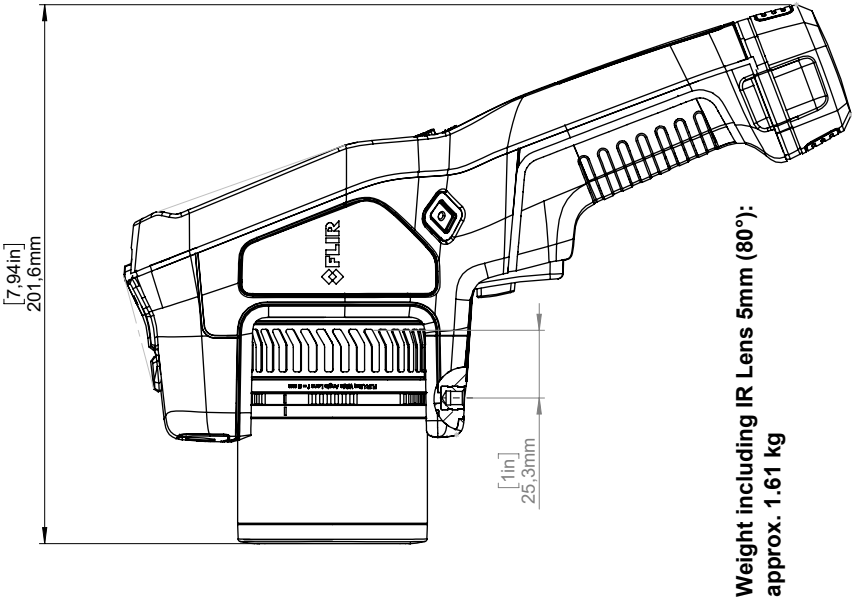
# Exx incl. IR Lens Macro 2x



Weight including IR Lens Macro 2x:  
approx. 1.33 kg

|                                                                   |                     |                        |              |                       |
|-------------------------------------------------------------------|---------------------|------------------------|--------------|-----------------------|
| Modified by<br>A. AGARDSON                                        | Approved by<br>AKZE | Modified<br>2023-09-29 |              |                       |
| This document does not contain any export-controlled information. |                     |                        | Size<br>A3   | Sheet<br>4(5)         |
| Denomination<br>Basic dimension drawing Exx                       |                     |                        | Scale<br>1:2 | Drawing No<br>T130127 |
|                                                                   |                     |                        |              | Rev<br>E              |

Exx incl. IR Lens 70mm



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| Modified by<br>A. AGARDSON                                        |  | Approved by<br>AKZE | Modified<br>2023-09-29 | FLIR                  |               |
| This document does not contain any export-controlled information. |  |                     |                        | Size<br>A3            | Sheet<br>5(5) |
| Denomination<br>Basic dimension drawing Exx                       |  |                     |                        | Scale<br>1:2          | Rev           |
|                                                                   |  |                     |                        | Drawing No<br>T130127 | E             |