

# FLIR T865 80°

**P/N: 89215-0201**

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**Document identity**

Publ. No.: 89215-0201  
Commit: 93950  
Language:  
Modified: 2023-11-01  
Formatted: 2023-11-01

**Website**

<http://www.flir.com>

**Customer support**

<http://support.flir.com>

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| Imaging and optical data                 |                                                                                                                                                                                                                                                                                |
|------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Infrared resolution                      | 640 × 480 pixels                                                                                                                                                                                                                                                               |
| UltraMax (super-resolution) <sup>1</sup> | Yes                                                                                                                                                                                                                                                                            |
| NETD                                     | <30 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)                | 2.6 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><li>• 6° (service calibration required)</li><li>• Macro lens 2.0x (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                             | 1–8× continuous                                                                                                                                                                                                                                                                |
| Detector data                            |                                                                                                                                                                                                                                                                                |
| Focal plane array/spectral range         | Uncooled microbolometer/7.5–14 μm                                                                                                                                                                                                                                              |
| Detector pitch                           | 12 μm                                                                                                                                                                                                                                                                          |
| Image presentation                       |                                                                                                                                                                                                                                                                                |
| Resolution (display)                     | 640 × 480 pixels (VGA)                                                                                                                                                                                                                                                         |
| Surface brightness (cd/m²)               | 400                                                                                                                                                                                                                                                                            |
| Screen size                              | 4 in.                                                                                                                                                                                                                                                                          |
| Viewing angle                            | 80°                                                                                                                                                                                                                                                                            |
| Color depth (bits)                       | 24                                                                                                                                                                                                                                                                             |
| Aspect ratio                             | 4:3                                                                                                                                                                                                                                                                            |

1. Not supported when using macro.

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| Image presentation                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Auto-rotation                                                                     | Yes                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Touchscreen                                                                       | Optically bonded PCAP                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Display technology                                                                | IPS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Cover glass material                                                              | Dragontrail®                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Programmable buttons                                                              | 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Viewfinder                                                                        | Yes                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| 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>                                                                                                                                                                                                                                                                                                                                                                                              |
| 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>–40 to 120°C (–40 to 248°F)</li><li>0 to 650°C (32 to 1202°F)</li><li>300 to 2000°C (572 to 3632°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 –40 to 120°C (–40 to 248°F):<ul style="list-style-type: none"><li>–40 to 5°C (–40 to 41°F): ±2°C (±3.6°F)</li><li>5 to 100°C (41 to 212°F): ±1°C (±1.8°F)</li><li>100 to 120°C (212 to 248°F): ±1%</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 2000°C (572 to 3632°F): ±2%</li></ul> |
| Inspection mode                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| FLIR Inspection route                                                             | Enabled in the camera                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Measurement analysis                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Spotmeter                                                                         | 10 in live mode                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Area                                                                              | 5 in live mode                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Automatic hot/cold detection                                                      | Automatic maximum/minimum markers within area                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| 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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |

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|                                     |                                                                                                                                                                               |
|-------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Measurement analysis</b>         |                                                                                                                                                                               |
| Emissivity correction               | Yes, variable from 0.01 to 1.0 or selected from materials list                                                                                                                |
| Measurement corrections             | Yes                                                                                                                                                                           |
| External optics/windows correction  | Yes                                                                                                                                                                           |
| <b>Alarm</b>                        |                                                                                                                                                                               |
| 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                                                                                                      |
| <b>Set-up</b>                       |                                                                                                                                                                               |
| 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                                                                                                                                                                            |
| <b>Service functions</b>            |                                                                                                                                                                               |
| Camera software update              | Using USB cable or SD card                                                                                                                                                    |
| <b>Storage of images</b>            |                                                                                                                                                                               |
| Storage media                       | <ul style="list-style-type: none"> <li>• Removable memory: SD card</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. Infrared-only mode.                                                                                                                 |
| <b>Image annotations</b>            |                                                                                                                                                                               |
| Voice                               | 60 seconds with 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 only                                                                                                                                                         |
| Sketch                              | From touchscreen                                                                                                                                                              |
| METERLiNK                           | Wireless connection (Bluetooth) to: FLIR meters with METERLiNK                                                                                                                |
| Compass                             | Yes                                                                                                                                                                           |
| Laser distance meter information    | Yes                                                                                                                                                                           |
| Area measurement information        | Yes                                                                                                                                                                           |
| GPS                                 | Location data automatically added to every still image and first frame in video from built-in GPS                                                                             |

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|                                                                                                                                                                                            |                                                                                                                                                       |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Video recording in camera</b>                                                                                                                                                           |                                                                                                                                                       |
| 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>                                 |
| <b>Video streaming</b>                                                                                                                                                                     |                                                                                                                                                       |
| 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                                                                                                                                                                     | <ul style="list-style-type: none"><li>No, with 80° lens</li><li>Yes, with other lenses</li></ul>                                                      |
| <b>Digital camera</b> <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                                                                                                                                    |
| <b>Laser pointer</b>                                                                                                                                                                       |                                                                                                                                                       |
| Laser alignment                                                                                                                                                                            | Position is automatically displayed on the infrared image                                                                                             |
| Laser distance meter                                                                                                                                                                       | Activated by dedicated button                                                                                                                         |
| Laser                                                                                                                                                                                      | Class 2, 0.05–40 m (0.16–131 ft.) ±1% of measured distance                                                                                            |
| <b>Data communication interfaces</b>                                                                                                                                                       |                                                                                                                                                       |
| Interfaces                                                                                                                                                                                 | USB 2.0, Bluetooth, Wi-Fi, DisplayPort                                                                                                                |
| METERLiNK/Bluetooth                                                                                                                                                                        | Communication with headset and external sensors                                                                                                       |
| Wi-Fi                                                                                                                                                                                      | Peer to peer (ad hoc) 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                                                                                                                                           |
| Video connector type                                                                                                                                                                       | DisplayPort over USB Type-C                                                                                                                           |
| Cloud services                                                                                                                                                                             | FLIR Ignite Cloud services                                                                                                                            |

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| 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                | > 4 hours at 25°C (77°F) with typical use                                                                                                                                                                             |
| Charging system                       | In camera (AC adapter or 12 V from a vehicle) or two-bay charger                                                                                                                                                      |
| Charging time (using two-bay charger) | 3.5 h to 90% capacity, on-screen indicator                                                                                                                                                                            |
| 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, 25–40°C (77–104°F)/2 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)                                                                                                                                                                                                    |
| Safety                                | Camera:<br><ul style="list-style-type: none"><li>IEC/EN 60950-1, IEC/EN 62368-1</li></ul> Power supply:<br><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>                                                                                                                      |

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| Physical data              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Weight (including battery) | 1.6 kg (3.5 lb.)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Size (L × W × H)           | 140 × 245 × 84 mm (5.5 × 9.6 × 3.3 in.)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Battery weight             | 195 g (6.89 oz.)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Battery size (L × W × H)   | 59 × 66 × 94 mm (2.3 × 2.6 × 3.7 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</li> <li>USB Type-C to HDMI and PD adapter</li> <li>USB Type-C to USB Type-C cable (USB 2.0 standard)</li> </ul> </li> <li>Accessory box II: <ul style="list-style-type: none"> <li>Lens cap strap</li> <li>Lens cleaning cloth</li> <li>Neck strap</li> <li>Small eyecup</li> </ul> </li> <li>Battery (2 ea)</li> <li>Battery charger</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> <li>License card: FLIR Thermal Studio Pro (3 month subscription) + FLIR Route Creator Plugin for Thermal Studio Pro (3 month subscription)</li> <li>T300095 IR lens, f=70 mm (6°) with case</li> </ul> |
| Packaging, weight          | 6.1 kg (13.4 lb.)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Packaging, size            | 500 × 190 × 370 mm (19.7 × 7.5 × 14.6 in.)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| EAN-13                     | 7332558032954                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| UPC-12                     | 845188030094                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Country of origin          | Sweden                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |

## Supplies & accessories:

- T300238; Macro lens 2.0x with case
- T300095; IR lens, f=70 mm (6°) with case
- T300587; IR lens Dual FOV, f=17/29 mm (24°/14°) with case
- T131171ACC; Remote operation button
- T199300ACC; Battery
- T199347ACC; Hard transport case for FLIR T8xx, T5xx, and GF7x series
- T199610; Battery charger
- T300030; Option, No radio
- T911997; Tripod
- T911998; HDMI 2-port video splitter



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## FLIR T865 80°

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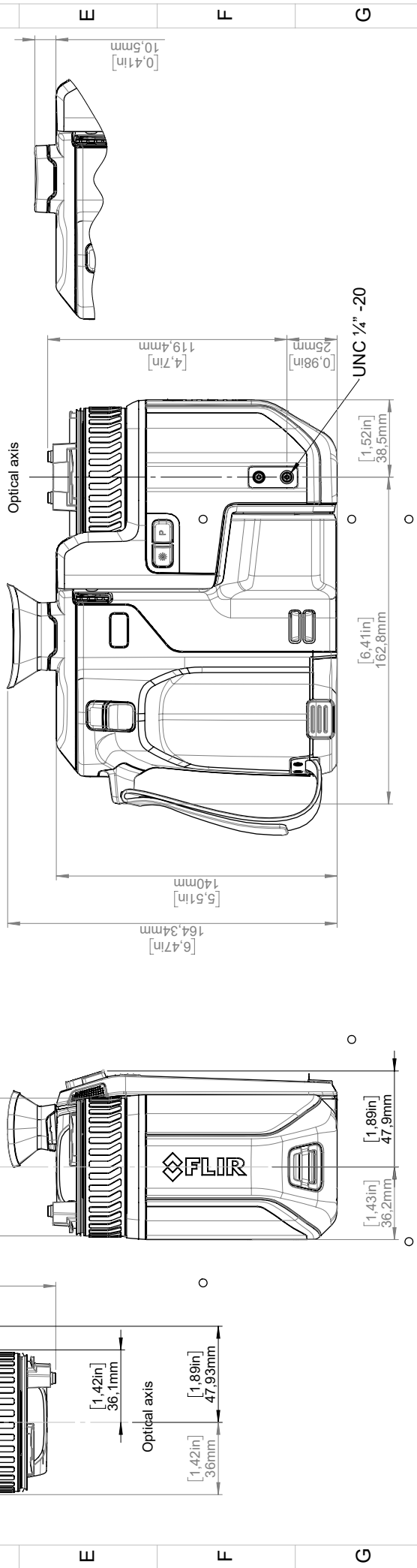
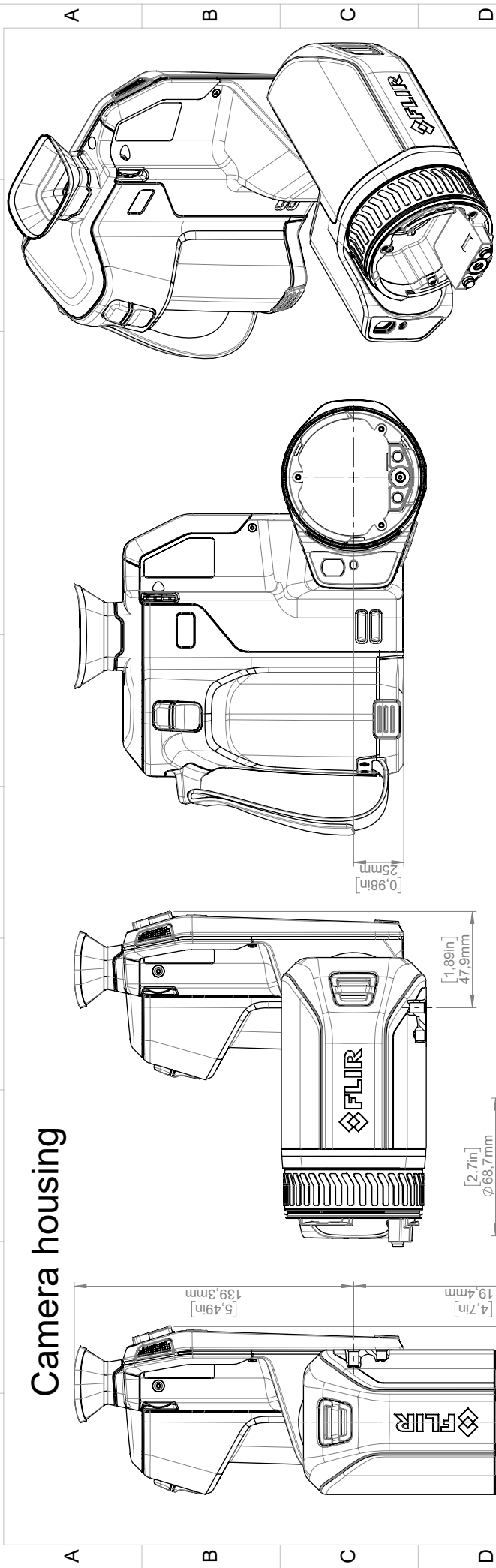
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- T300369; Mounting kit (FLIR T5xx, T8xx, Exx)
- T300768; Port adapter
- T130531ACC; Large eyecup
- T300188; Hand strap and neck strap
- T300493ACC; Industrial protective lens window
- T850105; FLIR Inspection Route - Camera Option
- T850111; Option, Dual streaming
- T199609; Option, Macro mode 50/71/101 µm for 24°
- T130337ACC; Calibration target
- T911630ACC; Power supply for camera, 15 W/3 A
- T911633ACC; Power supply for battery charger
- 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
- T198495; Pouch
- 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
- 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)

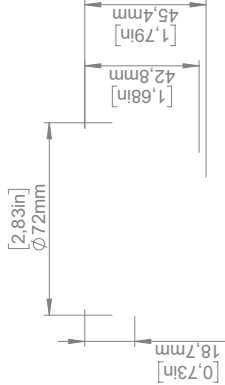
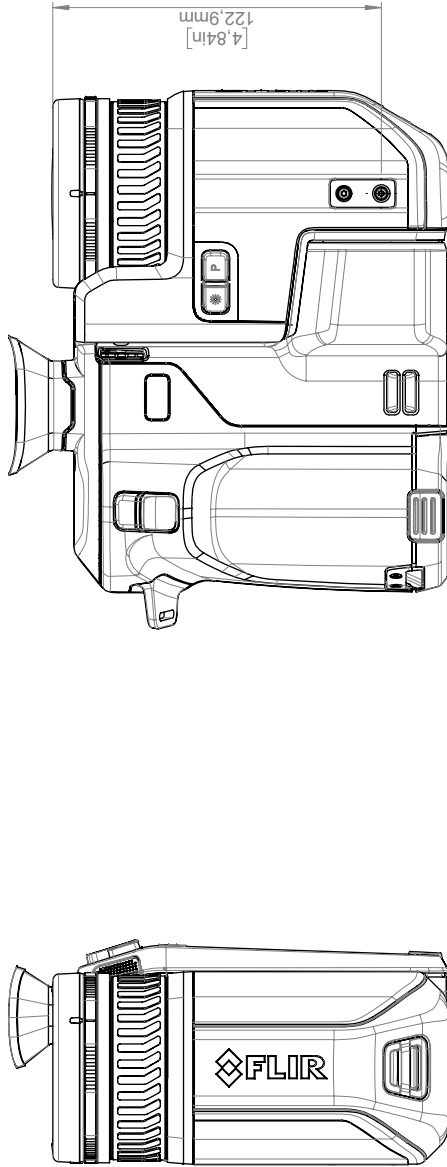
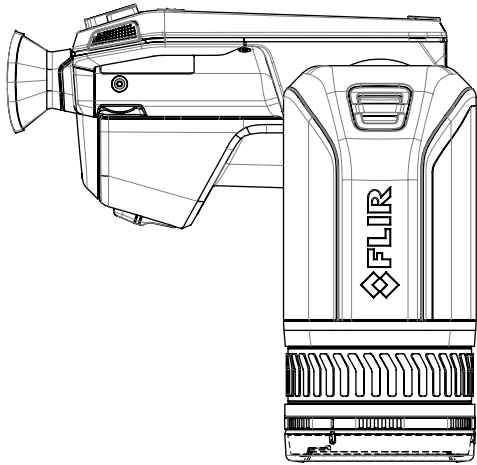
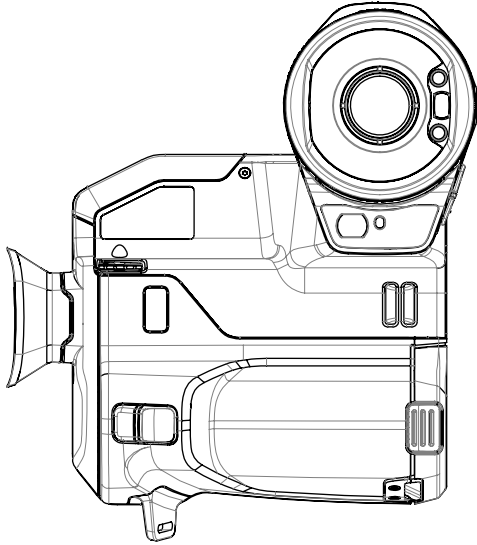
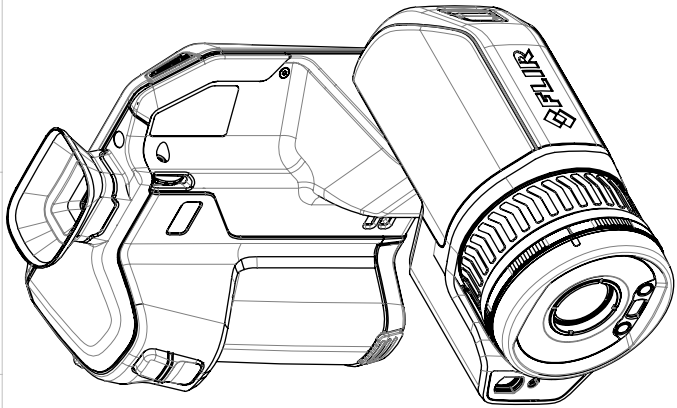
# Camera housing



|             |  |             |  |                                                                   |  |          |  |            |  |            |  |         |  |              |  |                            |  |     |  |   |  |
|-------------|--|-------------|--|-------------------------------------------------------------------|--|----------|--|------------|--|------------|--|---------|--|--------------|--|----------------------------|--|-----|--|---|--|
| FLIR        |  | Modified by |  | Approved by                                                       |  | Modified |  | 2023-09-29 |  | Size       |  | A3      |  | Sheet        |  | 1(6)                       |  | Rev |  | E |  |
| A. Agardson |  | AKZE        |  | This document does not contain any export-controlled information. |  | Scale    |  | 1:2        |  | Drawing No |  | T129914 |  | Denomination |  | Basic dimensions FLIR T8xx |  |     |  |   |  |



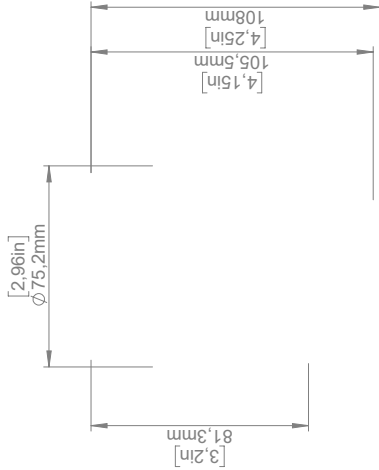
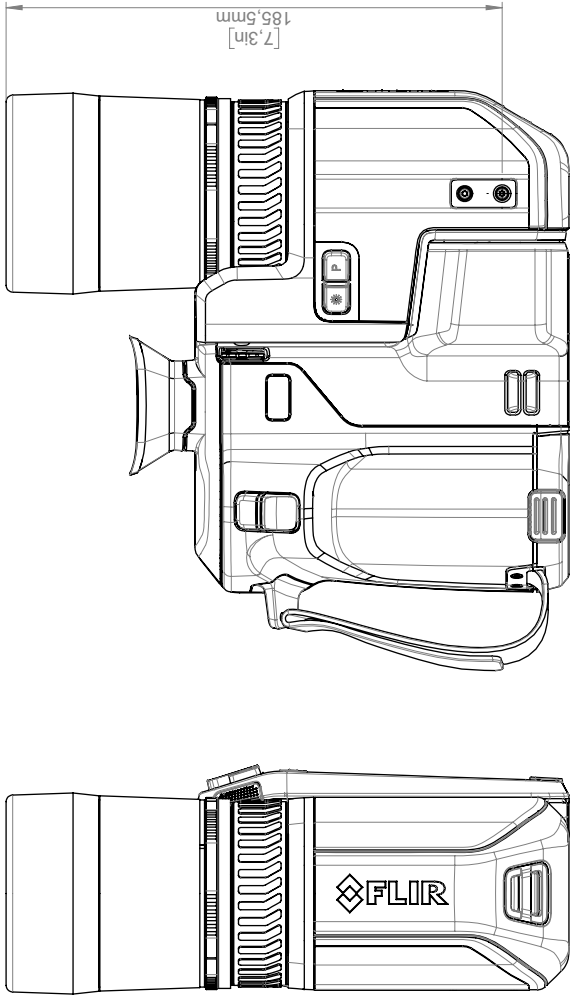
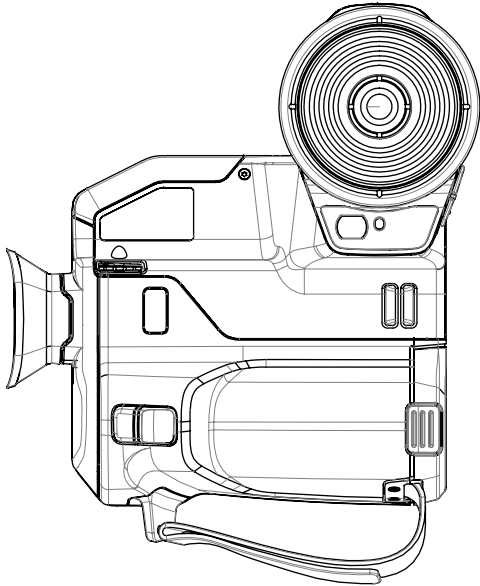
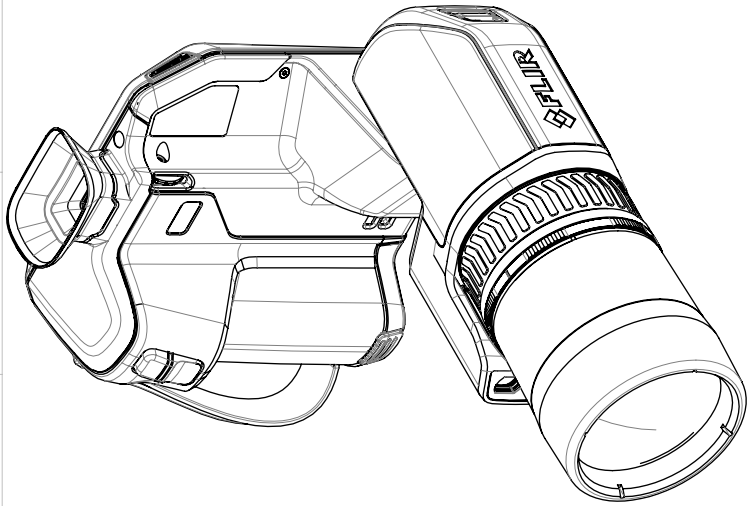
Camera with Lens IR f=10mm (42°)  
Camera with Lens IR f=17mm (24°)  
Camera with Lens IR f=29mm (14°)  
Camera with Lens IR Close-Up lens 2x



For additional dimensions see page 1

|                                                                   |             |            |                            |       |
|-------------------------------------------------------------------|-------------|------------|----------------------------|-------|
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| A. Agardson                                                       | AKZE        | 2023-09-29 |                            |       |
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|                                                                   |             |            | A3                         | 2(6)  |
|                                                                   |             |            | Scale                      | Rev   |
|                                                                   |             |            | 1:5                        | E     |
|                                                                   |             |            | Drawing No                 |       |
|                                                                   |             |            | T129914                    |       |
|                                                                   |             |            | Basic dimensions FLIR T8xx |       |
| Denomination                                                      |             |            |                            |       |
|                                                                   |             |            |                            |       |

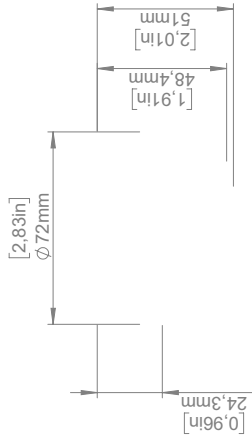
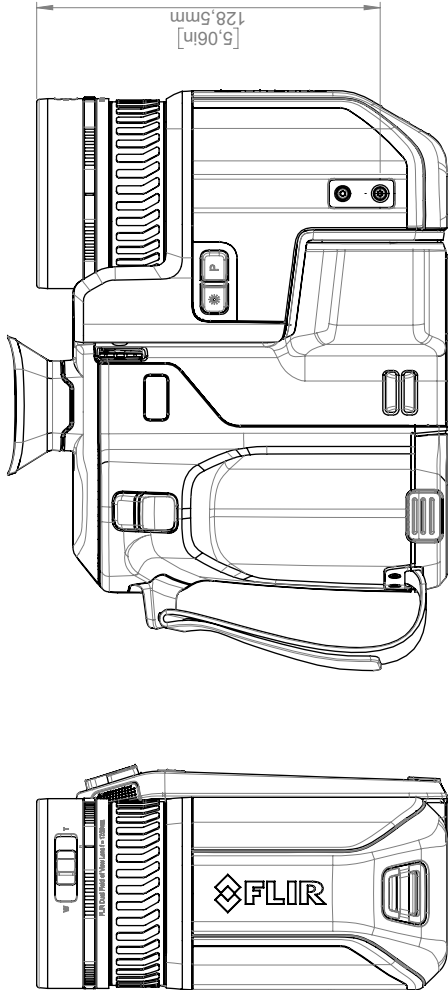
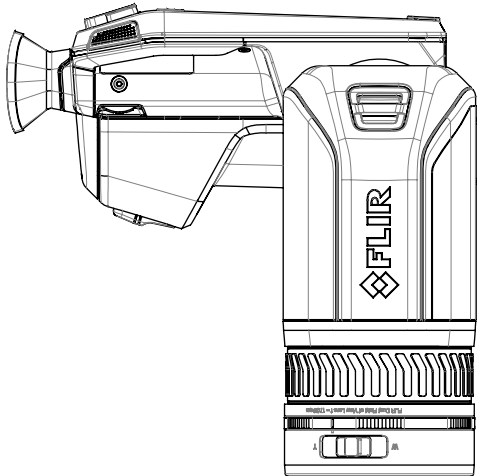
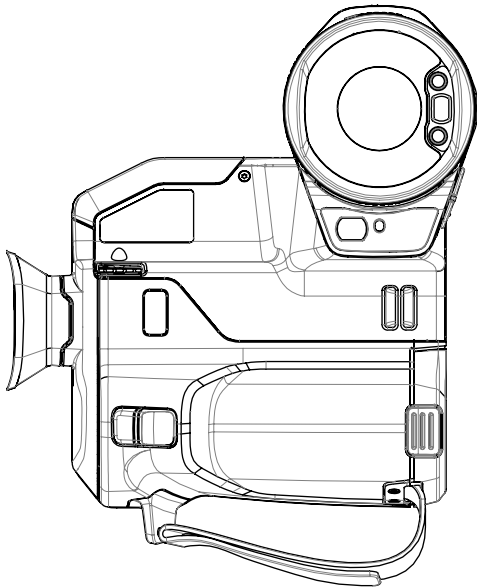
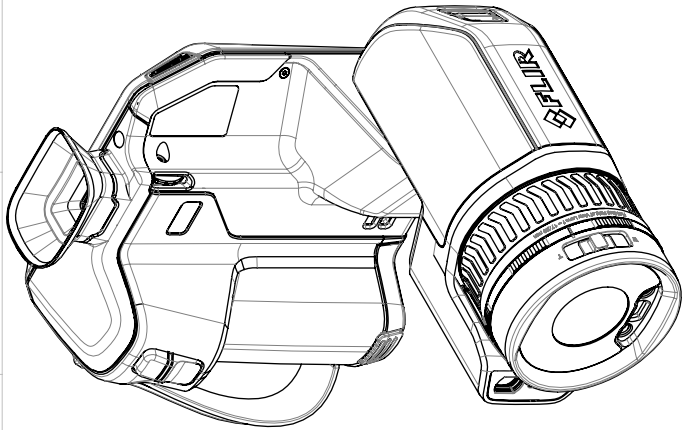
Camera with Lens IR f=70mm (6°)



For additional dimensions see page 1

|                                                                   |             |            |              |                            |     |
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| A. Agardson                                                       | AKZE        | 2023-09-29 |              |                            |     |
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|                                                                   |             |            | A3           | 3(6)                       | E   |
|                                                                   |             |            | Scale        | 1:5                        |     |
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|                                                                   |             |            | Denomination | Basic dimensions FLIR T8xx |     |

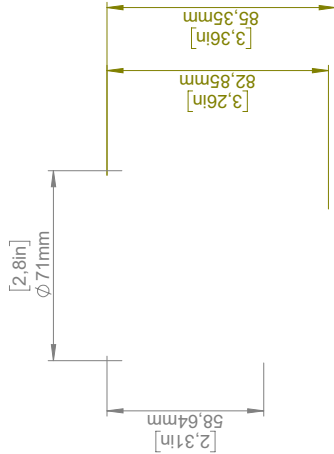
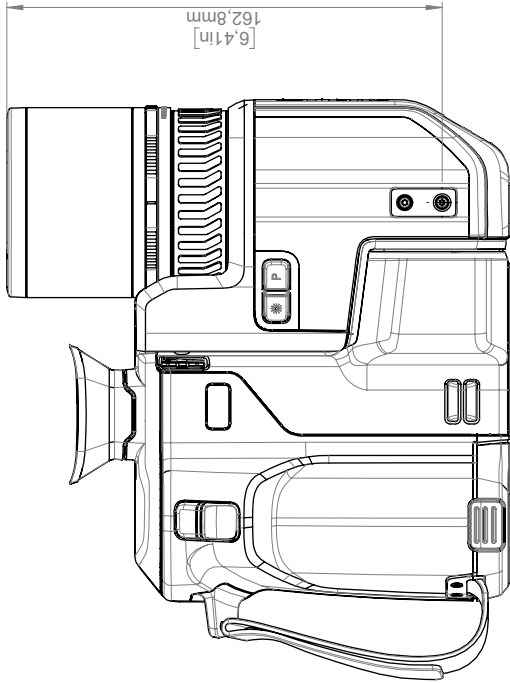
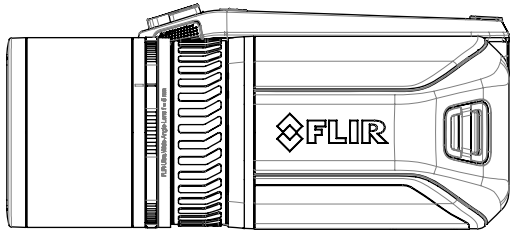
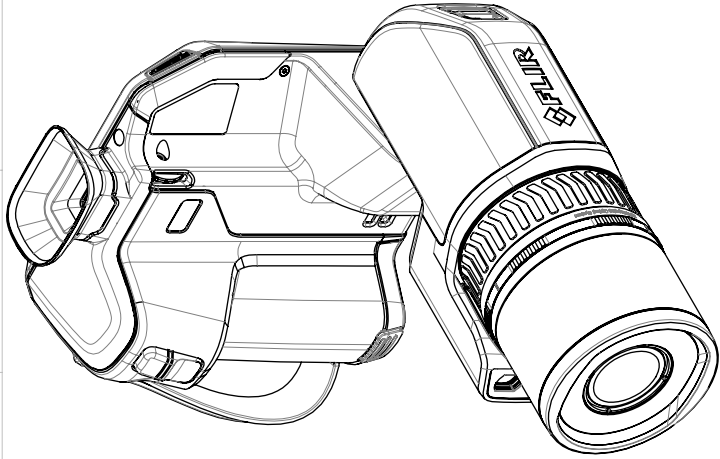
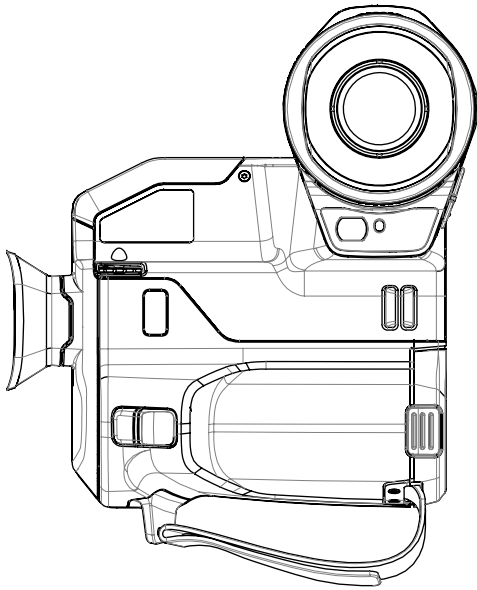
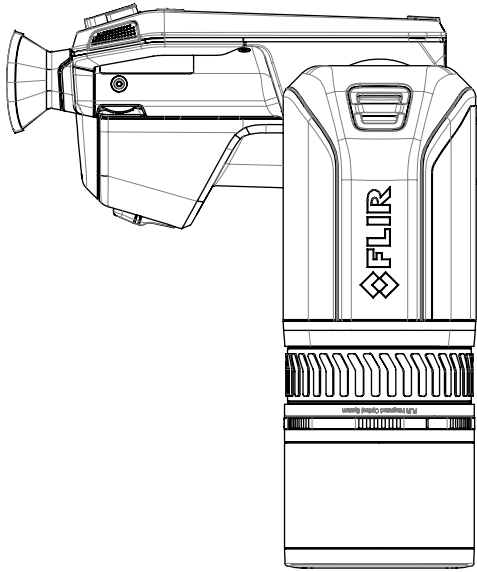
Camera with Lens IR f=17/29mm (DFOV) ▴



For additional dimensions see page 1

|                                                                   |                     |                        |              |                |
|-------------------------------------------------------------------|---------------------|------------------------|--------------|----------------|
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| Denomination<br>Basic dimensions FLIR T8xx                        |                     |                        | Scale<br>1:5 | Rev<br>T129914 |
|                                                                   |                     |                        | Drawing No   | E              |

Camera with Lens IR f=5mm (80°)



For additional dimensions see page 1

|                                                                   |                     |                        |                       |               |
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| Denomination<br>Basic dimensions FLIR T8xx                        |                     |                        | Scale<br>1:5          | Rev           |
|                                                                   |                     |                        | Drawing No<br>T129914 | E             |