FLIR T420bx & T440bx

High Performance Infrared Camera With on-board Visual Camera, Thermal Fusion, Touch Screen, Wi-Fi Connectivity, & Interchangeable Lens, Plus MSX™ Image Enhancement & FOV Match

Get maximum flexibility and efficiency out of 320 x 240 thermal imaging from our new T400bx line:

**Superior Thermal Imaging** – Sharp thermal resolution at 76,800 pixels for solid accuracy from farther away

**New! MSX™ Enhancement** – Multi-Spectral Dynamic Imaging adds visible spectrum definition to IR images in real time for extraordinary thermal detail that instantly highlights and orients problem locations (T440bx only)

**New! Field of View (FOV) Match** – Now you have the option to automatically match the visible camera field of view to the IR FOV for better documentation

**New! Compass** – Adds camera pointing direction to every image for additional location documentation (T440bx only)

**Wi-Fi Connectivity** – Send images and data to smart phones and tablets (ie. iPhone®, iPad®, iPod touch®, or Android™) to share images and critical information quickly using FLIR Tools Mobile app

**Accurate Temperature Measurements** – Accuracy calibrated within +/- 2°C or +/- 2% of reading

**Temperature Range** – measuring up to 1202°F (650°C) targeting insulation, HVAC, and building applications (T440bx model)

**Scalable P-i-P and Thermal Fusion** – Blend thermal with visible light images on-screen; includes picture-in-picture window sizing

**Humidity, Dew Point, & Insulation Alarms** – Alerts user when it detects moisture intrusion and insulation issues

**METERLiNK®** – Wirelessly transmit vital diagnostic data from clamp and moisture meters directly to the camera for annotating thermal images to further support findings and decisions

**Annotation** – Add voice comments via Bluetooth headset and text notes from the touchscreen keypad; New! T440bx has image sketch feature to draw circles and pointers on IR/Visual stored images

**InstantReport** – Create PDF document directly from the camera

**Includes** – SD Memory Card, Li-ion rechargeable battery with AC adaptor/charger, two rechargeable batteries, 2-bay battery charger, power supply, FLIR Tools software, USB cable, video cable, sun shield, Bluetooth® headset, lens cap, neckstrap, & hard case
### Imaging Specifications

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### COMMON FEATURES
- **Frame Rate**: 60Hz
- **Field of view/Minimum focus distance/FOV Match**: 25° x 19° / 1.31ft (0.4m) / Field of View Match where Digital Image FOV adapts to the IR lens
- **Focus**: Manual/Automatic
- **Thermal sensitivity (N.E.T.D)**: <0.045°C at 30°C
- **Detector Type**: Focal plane array (FPA) uncooled microbolometer 320 x 240 pixels
- **Spectral range**: 7.5 to 13µm
- **Display**: Built-in touch-screen 3.5" color LCD
- **Image modes**: Thermal/Visual/Fusion/P-i-P and Thumbnail Gallery
- **Image Storage**: 1000 radiometric JPEG images (SD card memory)
- **Image annotation**: Voice (60 sec); text comments, Sketch, image markers on IR
- **Periodic image storage**: 7 seconds to 24 hours (IR) and 14 seconds to 24 hours (IR and visual)
- **Lens**: 25° (optional 6°, 15°, 45°, 90°, Close up 100, 50µm lenses available)
- **Video Lamp**: Bright LED lamp
- **Laser Classification/Type**: Class 2/Semiconductor AlGalnP Diode Laser: 1mW/635nm (red)
- **Set-up controls**: Mode selector, color palettes, configure info to be shown in image, local adaptation of units, language, date and time formats, and image gallery
- **Measurement modes**: 5 Spotmeters, 5 Box areas, isotherm, Auto hot/cold spot, Delta T
- **Alarm Alerts**: 1 Humidity alert, 1 Dew Point alert, and Insulation alert
- **Measurement correction**: Reflected ambient temperature & emissivity correction
- **Video Recording in Camera and Video Streaming**: Non-radiometric IR-video recording (MPEG-4 to memory card), Radiometric IR-video streaming (Full dynamic to PC using USB or Wi-Fi), and Non-radiometric IR-video streaming (MPEG-4 using Wi-Fi and uncompressed colorized video using USB)
- **Instant Report**: Create a Thermographic Inspection report directly in the camera
- **Battery Type/operating time**: Li-Ion/7+4 hours, Display shows battery status
- **Charging system**: In camera AC adapter/2 bay charging system
- **Dimensions/Weight**: 4.2x7.9x4.9" (106x201x125mm)/1.94lbs (0.88kg), including battery
- **2-5-10 Warranty**: When the camera is registered within 60 days: 2 years on Parts/Labor for the Camera; 5 years of Coverage on Batteries; 10 years of Protection on the IR Detector

### Ordering Information

| 62101-0501                           | FLIR T420bx Thermal Imaging InfraRed Camera (320x240) |
| 62101-0701                           | FLIR T440bx Thermal Imaging InfraRed Camera (320x240) |

### ACCESSORIES

| 1196398                             | Li-Ion Rechargeable Battery |
| 1910490                             | Cigarette Lighter Adapter Kit, 12VDC (1.2m cable) |
| T197650                             | 2-Bay Battery Charger including Power Supply (multi plugs) |
| T197117                             | FLIR Reporter Professional |
| 4114887                             | FLIR ThermaTrak™ |

### CERTIFICATION TRAINING

| 3300149                             | ITC Level I Certification Training per attendee |

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### Applications

- **Water Damage**: Water leak on ceiling, gutter, & roof top
- **Insulation**: Energy Loss, Home Inspection, and HVAC

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