#### **ThermaCAM® T400** Technical Specifications

Field or view/min focus distance         25%18.87 (26.mt (3.1 ft.)           Nemal santitivity (N.E.T.D)         < 0.00°C (c. 0.14°F) Ø+30°C (+86°F)           Detector type         Focal Plane Array (FPA), uncooled microbolometer           Spectral range         7.5 to 13 µm           Digital zoom         1-8X continuous           Spot size ratio (with 15° lens)         14 mRad           Image Presentation         1 memodes           Image Controls         1 Thermal/Visual, Simultaneous, Video, Fusion           Display         80 livit-in display, 3.5 in. (320 x 240 pixels)           Image Controls         1 Thermal/Visual, Simultaneous, Video, Fusion           Measurement         2 Journal sevent LO           Measurement         2 Journal sevent LO           Measurement mades         2 Spotmeters, Box areas bothern, Difference temperature function, adaptation of units, language, date, and time formats, image gallery, image markers           Measurement corrections         2 Reflected ambient temperature correction           Image Storage         1 1000+ JPEG Images           Image Storage Capacity         1 1000+ JPEG Images           Battery Operating tim	Imaging Performance	
Detector type   Focal Plane Array (FPA), uncooled microbolometer	Field of view/min focus distance	25°x18.8° / 0.4 m (1.31 ft.)
Spectral range   7.5 to 13 μm     Digital zoom   1-8X continuous	Thermal sensitivity (N.E.T.D)	< 0.07°C (< 0.14°F) @ +30°C (+86°F)
Digital zoom 1-8X continuous 5, pot size ratio (with 15° lens) 1.4 mRad 1.	Detector type	Focal Plane Array (FPA), uncooled microbolometer
Image Presentation	Spectral range	7.5 to 13 µm
Image Presentation         Thermal/Visual, Simultaneous, Video, Fusion           Display         Built-in display, 3.5 in, (3.20 x 240 pixels)           Image Controls         Touch screen LCD           Measurement         700 cm 120°C (-41°F to +248°F), 0°C to 350°C (32°F to 662°F), Optional up to +120°C (-41°P2°F)           Accuracy         ±22°C (±3.6°F) or ±2% of reading           Securacy         ±22°C (±3.6°F) or ±2% of reading           Securacy         ±2°C (±3.6°F) or ±2% of reading           Securacy         Mode selector, cotor palettees, configure info to be shown in image, local adaptation of units, language, date, and time formats, image gallery, image markers           Measurement corrections         Reflected ambient temperature correction           Image storage capacity         1000+ PEG images           Digital storage functions         Removable SD Memory Card           Image atorage capacity         1000+ PEG images           Digital photo, Text (from list or Touch Screen), Voice and Sketch           Laser LocatiR™           Classification         Class 2           Step Capacity         Power source           Battery type         Rechargeable Lithium	Digital zoom	1-8X continuous
Image modes   Thermal/Visual, Simultaneous, Video, Fusion	Spot size ratio (with 15° lens)	1.4 mRad
Display         Built-in display, 3.5 in, (320 x 240 pixels)           Image Controls         Touch screen LCD           Measurement         Touch screen LCD           Temperature range         -20°C to +120°C (-41°F to +248°F), 0°C to 350°C (32°F to 662°F). Optional up to +1200°C (-2192°F)           Accuracy         ±2°C (±36°F) or ±2% of reading           Measurement modes         5° Spotmeters, Box areas, Isotherm, Difference temperature function, Reference temperature           Set-up controls         40 does selector, color palettes, configure info to be shown in image, local adaptation of units, language, date, and time formats, image gallery, image markers           Measurement corrections         Reflected ambient temperature correction           Image Storage         Digital photo, Text (from list or Touch Screen), Voice and Sketch           Laser Locatiff**         Class (2           Type         Semiconductor AlGainP Diode Laser: ImW/635 nm (red)           Power Source         Battery type         Rechargeable Lithium-Ion battery           Battery operating time         4 hours         Battery operating time           Battery operating time         4 hours         AC adapter, 90-260 VAC Input. 12 V output to camera           Voltage         11-16 VDC         Power saving         Power management, automatic shut down and sleep mode after settable time           Environmental         Operating temperature range	Image Presentation	
Image Controls  Measurement  Temperature range  -20°C to +120°C (-4°F to +248°F), 0°C to 350°C (32°F to 662°F), Optional up to +1200°C (-4°F to +248°F), 0°C to 350°C (32°F to 662°F), Optional up to +1200°C (-4°F to +228°F) and compared to the standard of the standard o	Image modes	Thermal/Visual, Simultaneous, Video, Fusion
Measurement         Temperature range       −20°C to +120°C (−4°F to +248°F), 0°C to 350°C (32°F to 662°F), Optional up to +1200°C (+2192°F)         Accuracy       ±2°C (±3.6°F) or ±2% of reading options of reading options of the second	• •	
Temperature range	•	Touch screen LCD
Accuracy  ±2°C (±3.6°F) or ±20°C (+2192°F)  Measurement modes  Set-up controls  Measurement modes  Set-up controls  Measurement modes  Set-up controls  Measurement modes  Set-up controls  Measurement corrections  Measurement corrections  Measurement corrections  Measurement corrections  Measurement corrections  Reflected ambient temperature correction  Image Storage  Upital storage functions  Image storage capacity  Image annotation  Digital photo, Text (from list or Touch Screen), Voice and Sketch  Laser LocatiR™  Classification  Class 2  Type  Semiconductor AlGainP Diode Laser: ImW/635 nm (red)  Power Source  Battery type  Rechargeable Lithium-ion battery  Battery type  Rechargeable Lithium-ion battery  Battery charging  A coperation  A cadapter, 90-260 WAC input. 12 V output to camera  Voltage  11-16 VDC  Power saving  Power management, automatic shut down and sleep mode after settable time  Environmental  Operating temperature range  -15°C to +70°C (40°F to 122°F)  Storage temperature range  4-0°C to +70°C (40°F to 122°F)  Shock  25G, IEC 68-2-29  Vibration  Physical Characteristics  Weight  0.88 kg (1.94 lb)  Size (L x W x H)  106 x 201 x 125 mm (4.2 x 7.9 x 4.9 in.), with built-in lens pointing forward  Image stroage.  Option of the decidence of the control of the cont	Measurement	20°C h - (120°C / 4°C h - (240°C) 0°C h - 20°C (22°C h - (22°C)
Measurement modes       5 Spotmeters, Box areas, Isotherm, Difference temperature function, Reference temperature         Set-up controls       Mode selector, color palettes, configure info to be shown in image, local adaptation of units, language, date, and time formats, image gallery, image markers         Measurement corrections       Reflected ambient temperature correction         Image Storage       Polital storage functions         Image storage capacity       1000+ JPEG images         Image annotation       Digital photo, Text (from list or Touch Screen), Voice and Sketch         Laser LocatiR™       Class 2         Type       Semiconductor AlGaInP Diode Laser: ImW/635 nm (red)         Power Source       Battery type         Battery type       Rechargeable Lithium-Ion battery         Battery charging       2 bay charging system, 10-16 V input. Charging status indicated by LED's         AC operation       AC adapter, 90-260 VAC input. 12 V output to camera         Voltage       11-16 VDC         Power saving       Power management, automatic shut down and sleep mode after settable time         Environmental       -15°C to +50°C (5°F to 122°F)         Storage temperature range       -15°C to +50°C (5°F to 122°F)         Shock       25G, IEC 68-2-9         Vibration       25G, IEC 68-2-9         Weight       0.88 kg (1.94 lb.) <t< th=""><th>Temperature range</th><th></th></t<>	Temperature range	
Reference temperature  Modes selector, color palettes, configure info to be shown in image, local adaptation of units, language, date, and time formats, image gallery, image markers  Measurement corrections Reflected ambient temperature correction  Image Storage  Digital storage functions Image storage  Digital storage functions Image storage capacity 1000+ JPEG images  Image annotation Digital photo, Text (from list or Touch Screen), Voice and Sketch  Laser LocatIR™  Classification Class 2 Semiconductor AlGaInP Diode Laser: 1mW/635 nm (red)  Power Source  Battery type Rechargeable Lithium-Ion battery  Battery operating time A hours  Battery charging 2 bay charging system, 10-16 V input. Charging status indicated by LED's  AC operation Voltage 11-16 VDC  Power saving Power management, automatic shut down and sleep mode after settable time  Environmental  Operating temperature range -15°C to +5°C (5°F to 122°F)  Storage temperature range -40°C to +7°C (-40°F to +158°F)  Humidity 10% to 95%, IEC 359  Water and dust resistant (encapsulation) IP 54, IEC 529  Shock 25G, IEC 68-2-9  Vibration 20,88 kg (1,94 lb.)  Size (L x W x H) 106 x 201 x 125 mm (4,2 x 7.9 x 4.9 in.), with built-in lens pointing forward  Color Titanium Grey  Tripod mounting 1/4" - 20  Interfaces  USB (cable included)  Image transfer to PC  Video output NTSC Video  Software  QuickReport™ Included	Accuracy	±2°C (±3.6°F) or ±2% of reading
Set-up controls adaptation of units, language, date, and time formats, image gallery, image markers markers markers markers and part of the properties of t	Measurement modes	
Image Storage	Set-up controls	adaptation of units, language, date, and time formats, image gallery, image
Digital storage functions       Removable SD Memory Card         Image storage capacity       1000+ JPEG images         Image annotation       Digital photo, Text (from list or Touch Screen), Voice and Sketch         Laser LocatIR™       Class 52         Type       Semiconductor AlGainP Diode Laser: 1mW/635 nm (red)         Power Source       Battery type       Rechargeable Lithium-Ion battery         Battery operating time       4 hours       A cadapter, 90-260 VAC input. Charging status indicated by LED's         AC operation       Ac dapter, 90-260 VAC input. 12 V output to camera         Voltage       11-16 VDC         Power saving       Power management, automatic shut down and sleep mode after settable time.         Environmental       Operating temperature range       -15°C to +50°C (5°F to 122°F)         Storage temperature range       -15°C to +50°C (5°F to 122°F)         Storage temperature range       -15°C to +50°C (5°F to 122°F)         Water and dust resistant (encapsulation)       IP 54, IEC 529         Shock       25G, IEC 68-2-29         Vibration       2G, IEC 68-2-29         Weight       0.88 kg (1.94 lb.)         Size (L x W x H)       106 x 201 x 125 mm (4.2 x 7.9 x 4.9 in.), with built-in lens pointing forward         Color       Titanium Grey         Tripod mounting       <	Measurement corrections	Reflected ambient temperature correction
Image storage capacity     1000+ JPEG images       Image annotation     Digital photo, Text (from list or Touch Screen), Voice and Sketch       Laser LocatIR™     Class 2       Type     Semiconductor AlGaInP Diode Laser: 1mW/635 nm (red)       Power Source     Power Source       Battery type     Rechargeable Lithium-Ion battery       Battery operating time     4 hours       Battery charging     2 bay charging system, 10-16 V input. Charging status indicated by LED's       AC operation     Ac adapter, 90-260 VAC input. 12 V output to camera       Voltage     11-16 VDC       Power saving     Power management, automatic shut down and sleep mode after settable time       Environmental     -15°C to +50°C (5°F to 122°F)       Storage temperature range     -15°C to +50°C (6°F to 122°F)       Storage temperature range     -40°C to +70°C (40°F to +158°F)       Humidity     10% to 95%, IEC 359       Water and dust resistant (encapsulation)     IP 54, IEC 529       Shock     25G, IEC 68-2-6       Physical Characteristics     Weight       Weight     0.88 kg (1.94 lb.)       Size (L x W x H)     106 x 201 x 125 mm (4.2 x 7.9 x 4.9 in.), with built-in lens pointing forward       Color     Titanium Grey       Tripod mounting     1/4" - 20       Interfaces     Image transfer to PC       Video output     <		
Image annotation       Digital photo, Text (from list or Touch Screen), Voice and Sketch         Laser LocatiR™         Classification       Class 2         Type       Semiconductor AlGaInP Diode Laser: 1mW/635 nm (red)         Power Source       Battery type         Battery operating time       4 hours         Battery charging       2 bay charging system, 10-16 V input. Charging status indicated by LED's         AC operation       AC adapter, 90-260 VAC input, 12 V output to camera         Voltage       11-16 VDC         Power saving       Power management, automatic shut down and sleep mode after settable time.         Environmental       Digrating temperature range         Operating temperature range       -15°C to +50°C (5°F to 122°F)         Storage temperature range       -40°C to +70°C (40°F to +158°F)         Humidity       10% to 95%, IEC 359         Water and dust resistant (encapsulation)       IP 54, IEC 529         Shock       25G, IEC 68-2-29         Vibration       2G, IEC 68-2-29         Weight       0.88 kg (1.94 lb.)         Size (Lx W x H)       106 x 201 x 125 mm (4.2 x 7.9 x 4.9 in.), with built-in lens pointing forward         Color       Titanium Grey         Tripod mounting       1/4" - 20         Interfaces       Image transfer to PC<	Digital storage functions	
Laser LocatiR™  Class fication  Class 2  Type  Semiconductor AlGaInP Diode Laser: 1mW/635 nm (red)  Power Source  Battery type  Rechargeable Lithium-Ion battery  4 hours  Battery charging  2 bay charging system, 10-16 V input. Charging status indicated by LED's  AC operation  AC adapter, 90-260 VAC input. 12 V output to camera  Voltage  11-16 VDC  Power saving  Power management, automatic shut down and sleep mode after settable time  Environmental  Operating temperature range  -15°C to +50°C (5°F to 122°F)  Storage temperature range  -40°C to +70°C (-40°F to +158°F)  Humidity  10% to 95%, IEC 359  Water and dust resistant (encapsulation)  IP 54, IEC 529  Shock  25G, IEC 68-2-29  Vibration  2G, IEC 68-2-6  Physical Characteristics  Weight  0.88 kg (1.94 lb.)  Size (L x W x H)  106 x 201 x 125 mm (4.2 x 7.9 x 4.9 in.), with built-in lens pointing forward  Color  Titanium Grey  Tripod mounting  1/4° - 20  Interfaces  USB (cable included)  Image transfer to PC  Video output  NTSC Video  Software  QuickReport™  Included		3
Class 2 Type Semiconductor AlGaInP Diode Laser: 1mW/635 nm (red)  Power Source  Battery type Rechargeable Lithium-Ion battery  Battery operating time 4 hours  Battery charging 2 bay charging system, 10-16 V input. Charging status indicated by LED's  AC operation AC adapter, 90-260 VAC input, 12 V output to camera  Voltage 11-16 VDC  Power saving Power management, automatic shut down and sleep mode after settable time  Environmental  Operating temperature range -15°C to +50°C (5°F to 122°F)  Storage temperature range -40°C to +70°C (-40°F to +158°F)  Humidity 10% to 95%, IEC 359  Water and dust resistant (encapsulation) IP 54, IEC 529  Shock 25G, IEC 68-2-29  Vibration 2G, IEC 68-2-6  Physical Characteristics  Weight 0.88 kg (1.94 lb.)  Size (L x W x H) 106 x 201 x 125 mm (4.2 x 7.9 x 4.9 in.), with built-in lens pointing forward  Color Titanium Grey  Tripod mounting 1/4° - 20  Interfaces  USB (cable included) Image transfer to PC  Video output NTSC Video  Software  QuickReport™ Included	-	Digital photo, Text (from list or Touch Screen), Voice and Sketch
Type  Semiconductor AlGaInP Diode Laser: 1mW/635 nm (red)  Power Source  Battery type  Rechargeable Lithium-Ion battery  Battery operating time  4 hours  Battery charging  2 bay charging system, 10-16 V input. Charging status indicated by LED's  AC operation  AC adapter, 90-260 VAC input. 12 V output to camera  Voltage  11-16 VDC  Power management, automatic shut down and sleep mode after settable time  Environmental  Operating temperature range  -15°C to +50°C (5°F to 122°F)  Storage temperature range  -40°C to +70°C (-40°F to +158°F)  Humidity  10% to 95%, IEC 359  Water and dust resistant (encapsulation)  IP 54, IEC 529  Shock  25G, IEC 68-2-29  Vibration  2G, IEC 68-2-6  Physical Characteristics  Weight  0.88 kg (1.94 lb.)  Size (L x W x H)  106 x 201 x 125 mm (4.2 x 7.9 x 4.9 in.), with built-in lens pointing forward  Color  Titanium Grey  Tripod mounting  1/4" - 20  Interfaces  USB (cable included)  Image transfer to PC  Video output  NTSC Video  Software  QuickReport™  Included		
Power Source  Battery type Rechargeable Lithium-Ion battery  Battery operating time 4 hours  Battery charging 2 bay charging system, 10-16 V input. Charging status indicated by LED's  AC operation AC adapter, 90-260 VAC input. 12 V output to camera  Voltage 11-16 VDC  Power saving Power management, automatic shut down and sleep mode after settable time  Environmental  Operating temperature range -15°C to +50°C (5°F to 122°F)  Storage temperature range -40°C to +70°C (-40°F to +158°F)  Humidity 10% to 95%, IEC 359  Water and dust resistant (encapsulation) IP 54, IEC 529  Shock 25G, IEC 68-2-9  Vibration 2G, IEC 68-2-6  Physical Characteristics  Weight 0.88 kg (1.94 lb.)  Size (L x W x H) 106 x 201 x 125 mm (4.2 x 7.9 x 4.9 in.), with built-in lens pointing forward  Color Titanium Grey  Tripod mounting 1/4" - 20  Interfaces  USB (cable included) Image transfer to PC  Video output NTSC Video  Software  QuickReport™ Included	Classification	Class 2
Battery type       Rechargeable Lithium-Ion battery         Battery operating time       4 hours         Battery charging       2 bay charging system, 10-16 V input. Charging status indicated by LED's         AC operation       AC adapter, 90-260 VAC input. 12 V output to camera         Voltage       11-16 VDC         Power saving       Power management, automatic shut down and sleep mode after settable time         Environmental       15°C to +50°C (5°F to 122°F)         Storage temperature range       -15°C to +50°C (40°F to +158°F)         Humidity       10% to 95%, IEC 359         Water and dust resistant (encapsulation)       IP 54, IEC 529         Shock       25G, IEC 68-2-29         Vibration       2G, IEC 68-2-29         Weight       0.88 kg (1.94 lb.)         Size (L x W x H)       106 x 201 x 125 mm (4.2 x 7.9 x 4.9 in.), with built-in lens pointing forward         Color       Titanium Grey         Tripod mounting       1/4" - 20         Interfaces       USB (cable included)       Image transfer to PC         Video output       NTSC Video         Software       Included	Туре	Semiconductor AlGaInP Diode Laser: 1mW/635 nm (red)
Battery operating time  Battery charging  2 bay charging system, 10-16 V input. Charging status indicated by LED's  AC operation  AC adapter, 90-260 VAC input. 12 V output to camera  Voltage  11-16 VDC  Power saving  Power management, automatic shut down and sleep mode after settable time  Environmental  Operating temperature range  -15°C to +50°C (5°F to 122°F)  Storage temperature range  40°C to +70°C (-40°F to +158°F)  Humidity  10% to 95%, IEC 359  Water and dust resistant (encapsulation)  IP 54, IEC 529  Shock  25G, IEC 68-2-29  Vibration  2G, IEC 68-2-29  Weight  0.88 kg (1.94 lb.)  Size (L x W x H)  106 x 201 x 125 mm (4.2 x 7.9 x 4.9 in.), with built-in lens pointing forward  Color  Titanium Grey  Tripod mounting  1/4" - 20  Interfaces  USB (cable included)  Video output  NTSC Video  Software  QuickReport™  Included	Power Source	
Battery charging 2 bay charging system, 10-16 V input. Charging status indicated by LED's  AC operation AC adapter, 90-260 VAC input. 12 V output to camera  Voltage 11-16 VDC  Power saving Power management, automatic shut down and sleep mode after settable time  Environmental  Operating temperature range -15°C to +50°C (5°F to 122°F)  Storage temperature range -40°C to +70°C (-40°F to +158°F)  Humidity 10% to 95%, IEC 359  Water and dust resistant (encapsulation) IP 54, IEC 529  Shock 25G, IEC 68-2-29  Vibration 2G, IEC 68-2-6  Physical Characteristics  Weight 0.88 kg (1.94 lb.)  Size (L x W x H) 106 x 201 x 125 mm (4.2 x 7.9 x 4.9 in.), with built-in lens pointing forward  Color Titanium Grey  Tripod mounting 1/4° - 20  Interfaces  USB (cable included) Image transfer to PC  Video output NTSC Video  Software  QuickReport™ Included	Battery type	Rechargeable Lithium-Ion battery
AC adapter, 90-260 VAC input. 12 V output to camera  Voltage  11-16 VDC  Power saving  Power management, automatic shut down and sleep mode after settable time  Environmental  Operating temperature range  -15°C to +50°C (5°F to 122°F)  Storage temperature range  -40°C to +70°C (-40°F to +158°F)  Humidity  10% to 95%, IEC 359  Water and dust resistant (encapsulation)  IP 54, IEC 529  Shock  25G, IEC 68-2-29  Vibration  2G, IEC 68-2-6  Physical Characteristics  Weight  0.88 kg (1.94 lb.)  Size (L x W x H)  106 x 201 x 125 mm (4.2 x 7.9 x 4.9 in.), with built-in lens pointing forward  Color  Titanium Grey  Tripod mounting  1/4° - 20  Interfaces  USB (cable included)  Image transfer to PC  Video output  NTSC Video  Software  QuickReport™  Included	Battery operating time	4 hours
Voltage Power saving Power management, automatic shut down and sleep mode after settable time Environmental  Operating temperature range -15°C to +50°C (5°F to 122°F) Storage temperature range -40°C to +70°C (-40°F to +158°F) Humidity 10% to 95%, IEC 359 Water and dust resistant (encapsulation) IP 54, IEC 529 Shock 25G, IEC 68-2-29 Vibration 2G, IEC 68-2-6  Physical Characteristics Weight 0.88 kg (1.94 lb.)  Size (L x W x H) 106 x 201 x 125 mm (4.2 x 7.9 x 4.9 in.), with built-in lens pointing forward  Color Titanium Grey  Tripod mounting 1/4" - 20  Interfaces USB (cable included) Image transfer to PC Video output NTSC Video  Software QuickReport™ Included	Battery charging	2 bay charging system, 10-16 V input. Charging status indicated by LED's
Power saving  Power management, automatic shut down and sleep mode after settable time  Environmental  Operating temperature range  -15°C to +50°C (5°F to 122°F)  Storage temperature range  -40°C to +70°C (-40°F to +158°F)  Humidity  10% to 95%, IEC 359  Water and dust resistant (encapsulation)  IP 54, IEC 529  Shock  25G, IEC 68-2-29  Vibration  2G, IEC 68-2-6  Physical Characteristics  Weight  0.88 kg (1.94 lb.)  Size (L x W x H)  106 x 201 x 125 mm (4.2 x 7.9 x 4.9 in.), with built-in lens pointing forward  Color  Titanium Grey  Tripod mounting  1/4" - 20  Interfaces  USB (cable included)  Image transfer to PC  Video output  NTSC Video  Software  QuickReport™  Included	AC operation	AC adapter, 90-260 VAC input. 12 V output to camera
Environmental  Operating temperature range  -15°C to +50°C (5°F to 122°F)  Storage temperature range  -40°C to +70°C (-40°F to +158°F)  Humidity  10% to 95%, IEC 359  Water and dust resistant (encapsulation)  IP 54, IEC 529  Shock  25G, IEC 68-2-29  Vibration  2G, IEC 68-2-6  Physical Characteristics  Weight  0.88 kg (1.94 lb.)  Size (L x W x H)  106 x 201 x 125 mm (4.2 x 7.9 x 4.9 in.), with built-in lens pointing forward  Color  Titanium Grey  Interfaces  USB (cable included)  Image transfer to PC  Video output  NTSC Video  Software  QuickReport™  Included	Voltage	
Operating temperature range  -15°C to +50°C (5°F to 122°F)  Storage temperature range  -40°C to +70°C (-40°F to +158°F)  Humidity  10% to 95%, IEC 359  Water and dust resistant (encapsulation)  IP 54, IEC 529  Shock  25G, IEC 68-2-29  Vibration  2G, IEC 68-2-6  Physical Characteristics  Weight  0.88 kg (1.94 lb.)  Size (L x W x H)  106 x 201 x 125 mm (4.2 x 7.9 x 4.9 in.), with built-in lens pointing forward  Color  Titanium Grey  Tripod mounting  1/4" - 20  Interfaces  USB (cable included)  Image transfer to PC  Video output  NTSC Video  Software  QuickReport™  Included	•	Power management, automatic shut down and sleep mode after settable time
Storage temperature range  -40°C to +70°C (-40°F to +158°F)  Humidity  10% to 95%, IEC 359  Water and dust resistant (encapsulation)  IP 54, IEC 529  Shock  25G, IEC 68-2-9  Vibration  2G, IEC 68-2-6  Physical Characteristics  Weight  0.88 kg (1.94 lb.)  Size (L x W x H)  106 x 201 x 125 mm (4.2 x 7.9 x 4.9 in.), with built-in lens pointing forward  Color  Titanium Grey  Tripod mounting  1/4" - 20  Interfaces  USB (cable included)  Image transfer to PC  Video output  NTSC Video  Software  QuickReport™  Included	Environmental	
Humidity         10% to 95%, IEC 359           Water and dust resistant (encapsulation)         IP 54, IEC 529           Shock         25G, IEC 68-2-9           Vibration         2G, IEC 68-2-6           Physical Characteristics         Weight           Weight         0.88 kg (1.94 lb.)           Size (L x W x H)         106 x 201 x 125 mm (4.2 x 7.9 x 4.9 in.), with built-in lens pointing forward           Color         Titanium Grey           Tripod mounting         1/4" - 20           Interfaces         USB (cable included)           Video output         NTSC Video           Software         QuickReport™           QuickReport™         Included	Operating temperature range	-15°C to +50°C (5°F to 122°F)
Water and dust resistant (encapsulation)         IP 54, IEC 529           Shock         25G, IEC 68-2-9           Vibration         2G, IEC 68-2-6           Physical Characteristics         Weight           Weight         0.88 kg (1.94 lb.)           Size (L x W x H)         106 x 201 x 125 mm (4.2 x 7.9 x 4.9 in.), with built-in lens pointing forward           Color         Titanium Grey           Tripod mounting         1/4" - 20           Interfaces         USB (cable included)           Video output         NTSC Video           Software         Included	Storage temperature range	-40°C to +70°C (-40°F to +158°F)
Shock         25G, IEC 68-2-29           Vibration         2G, IEC 68-2-6           Physical Characteristics         Weight         0.88 kg (1.94 lb.)           Size (L x W x H)         106 x 201 x 125 mm (4.2 x 7.9 x 4.9 in.), with built-in lens pointing forward           Color         Titanium Grey           Tripod mounting         1/4" - 20           Interfaces         USB (cable included)           Video output         NTSC Video           Software         Included	Humidity	10% to 95%, IEC 359
Vibration     2G, IEC 68-2-6       Physical Characteristics       Weight     0.88 kg (1.94 lb.)       Size (L x W x H)     106 x 201 x 125 mm (4.2 x 7.9 x 4.9 in.), with built-in lens pointing forward       Color     Titanium Grey       Tripod mounting     1/4" - 20       Interfaces     USB (cable included)       Video output     NTSC Video       Software     Included	Water and dust resistant (encapsulation)	IP 54, IEC 529
Physical Characteristics  Weight  0.88 kg (1.94 lb.)  Size (L x W x H)  106 x 201 x 125 mm (4.2 x 7.9 x 4.9 in.), with built-in lens pointing forward  Color  Titanium Grey  Tripod mounting  1/4" - 20  Interfaces  USB (cable included)  Image transfer to PC  Video output  NTSC Video  Software  QuickReport™  Included		25G, IEC 68-2-29
Weight 0.88 kg (1.94 lb.)  Size (L x W x H) 106 x 201 x 125 mm (4.2 x 7.9 x 4.9 in.), with built-in lens pointing forward  Color Titanium Grey  Tripod mounting 1/4" - 20  Interfaces  USB (cable included) Image transfer to PC  Video output NTSC Video  Software  QuickReport™ Included	Vibration	2G, IEC 68-2-6
Size (L x W x H)  106 x 201 x 125 mm (4.2 x 7.9 x 4.9 in.), with built-in lens pointing forward  Color  Titanium Grey  Tripod mounting  1/4" - 20  Interfaces  USB (cable included)  Image transfer to PC  Video output  NTSC Video  Software  QuickReport™  Included	Physical Characteristics	
Color     Titanium Grey       Tripod mounting     1/4" - 20       Interfaces     USB (cable included)       Video output     NTSC Video       Software     Included	Weight	0.88 kg (1.94 lb.)
Tripod mounting 1/4" - 20  Interfaces  USB (cable included) Image transfer to PC  Video output NTSC Video  Software  QuickReport™ Included	Size (L x W x H)	$106 \times 201 \times 125$ mm (4.2 x 7.9 x 4.9 in.), with built-in lens pointing forward
Interfaces       USB (cable included)     Image transfer to PC       Video output     NTSC Video       Software       QuickReport™     Included	Color	Titanium Grey
USB (cable included)  Video output  NTSC Video  Software  QuickReport™  Included	Tripod mounting	1/4" - 20
USB (cable included)  Video output  NTSC Video  Software  QuickReport™  Included	Interfaces	
Video output     NTSC Video       Software     Included		Image transfer to PC
Software  QuickReport™ Included	<u> </u>	<u> </u>
QuickReport™ Included	•	INTISC VIGEO
	Sortware	
Reporter™ 8.2 Optional	•	
	Reporter™ 8.2	Optional

Came	ra includes:
Transp	ort case
Camer	a Lens Cap
Battery	
2-bay b	pattery charger, incl. power supply with local plug
Heads	et, 3.5 mm plug
Video (	Cable
USB ca	ble Std A <-> Mini B, 2 m/6.6 ft.
SD Me	mory Card
Sun Sh	ield
Stylus	Pen Pen
CD-RO	M documentation
Power	supply
Operat	ors Manual, Quick reference guide
Interd	hangeable lenses/options
Option	al Add-on optics, Telephoto lens, 15°
Option	al Add-on optics, Wide angle lens, 45°
12 volt	auto adapter
Hip/Be	It mounted camera holster



From Left to right: USB mini for PC image download, 4 pole audio for voice annotation, NTSC video, USB-A for memory stick image transfer





1 800 464 6372 CANADA: 1 800 613 0507 www.goinfrared.com/t400



## ThermaCAM® T400 INFRARED CAMERA



The Best in Infrared www.goinfrared.com/T400



# At under 2 pounds, this remarkable camera is no lightweight.

Holster for Portability and Easy Access to Camera



Target Illuminator and 1.3 Mega Pixel Visual Camera



Tiltable Optics Reduces Back and Arm Strain



Touch Screen Text/Sketch Functionality



▶ Thermal Fusion Functionality

Interchangeable Optics

- 1.3 MegaPixel Visual Camera
- Automatically Associates the Visual and Thermal JPEG Images
- Includes FREE QuickReport Software for Analysis & Reporting
- Compatible with Optional Microsoft Word®-Based ThermaCAM Reporter Software w/Spell Check
- Removable SD/Memory Card, USB & Video Out
- Onscreen Thumbnail Image Gallery
- In camera Emissivity Tables, 5 Temperature Spots & Delta T Functionality
- Touch Screen Technology Adds Markers, Draws, Sketches
- Auto or Manual Focus with 8x Continuous Digital Zoom
- Auto Hot/Cold Spot & Audible/Visual Alarms
- Large 3.5" Color LCD Display
- ▶ High Thermal Sensitivity for Maximum Temperature Accuracy
- Voice, Text & Sketch Annotation
- Built-in LaserLocatIR™
- ▶ Long 4-hour Battery with In-Camera Charging or Car Charger
- Optics head & display screen are independently rotatable for optimum viewing

#### Razor-Sharp Image Quality

The T400's high-resolution 320 x 240 infrared detector delivers 76,800 pixels. This, combined with FLIR's exclusive Advanced Signal Processing, reduces image "noise" and produces razor-sharp thermal images four times the resolution of competing brands that use a 160 x 120 array. Image, as they say, is everything!

#### **Advanced Optics**

The T400 offers both Auto and Manual Focus, making it easy for anyone to take razor-sharp thermal images and helping those new to infrared from taking out-of-focus images. A powerful one-touch 8x continuous digital zoom lets you zero-in to the optimal view, whereas other cameras deliver only preset zooms.

#### Interchangeable Lenses

The T400 comes with a built-in standard 25° lens with the option of adding on a 45° wide angle or 15° telephoto lens.

#### Thumbnail Image Gallery

An easy-to-access thumbnail image gallery is available to help you quickly review your saved thermal images to find the one you want – a massive convenience and time saver!

#### **Touch Screen Technology**

Touch Screen technology lets you save text, markers or even sketches right with your thermal images, directly on the camera right from the work site. It's like having a note and sketch pad with you every time you turn on the camera – increasing your productivity and the quality of your reports.

#### 1.3 Mega Pixel Visual Camera

Capture visible images at the same time you capture your thermal image with a built-in 1.3 mega pixel digital camera. Includes a target illuminator for low light situations. You can draw markers using Touch Screen technology that works directly on the visual image.

#### Maximum Connectivity Options: SD/Memory Card, Audio, Video & USB

Thousands of images can be stored to a standard removable SD Memory Card. Use the Audio port to connect a headset and record voice comments while you work with the camera. Voice comments are stored with the IR image and can be played back using ThermaCAM® QuickReport or ThermaCAM® Reporter. A standard Video port lets you display your images in real-time with any number of off-theshelf video displays – ideal when working with a team or showing thermal output to customers, clients or superiors. A standard USB port allows for automatic image download from the camera using ThermaCAM OuickReport.

## In-Camera Radiometric JPEG Image Format

The infrared image is more than just a picture. All temperature data, object parameters, analysis tools, voice and text comments are stored with the infrared image, allowing for advanced post-processing and report writing using ThermaCAM QuickReport (included) or FLIR's Microsoft® Word®-Based ThermaCAM Reporter. Add voice comments in the field using a headset. Add text annotation using a Touch Screen keypad or a Text Comment File containing a list of preset values. The T400 JPEG image format combined with FLIR's versatile PC software creates a powerful and unique Thermography system that eases data collection in the field.

## MicroSoft® Word®-compatible Software with Spell Check

The T400 comes with FREE QuickReport analysis and reporting software. Optional Reporter software allows you to transfer fully radiometric – or "live" – images into Word so you can go back and edit reports, adjust temperature span or change color palettes at any time – critical functionality if you intend to email reports to peers, customers or superiors or simply if you want to run Spell Check!

#### Onscreen Emissivity Tables, Up To 5 Temperature Spots & Delta T Functionality

Temperature difference is the most frequently used measurement parameter for assessing the condition of electrical components and other plant assets. Accurate temperature difference information could determine if the color variation detected with the camera represents a normal operating condition or a problem that is about to start a fire.

The T400 makes this information easy to see and communicate with the Delta Temperature mode. Just place a reference spot on a target operating at normal temperature and another on the target with elevated temperature. The Delta Temperature Function immediately displays the difference between these two targets on the image making it easy for you to diagnose the severity of the problem. The image can then be stored with these measurements and incorporated into the report. It's the easiest and fastest way to diagnose and report your IR findings.

#### Auto Hot/Cold Spot & Audible/Visual Alarms

Seeing the hottest or coldest spot on the thermal image is often a critical requirement. FLIR's advanced in-camera algorithms make this normally time-consuming task a breeze. You can even pre-set temperature triggers to sound audible or show visible alarms, and the advanced in-camera tools can identify overheating circuits, missing insulation, mechanical failures, water intrusion leaks and literally "sound off" to alert you to a potential problem with the target you are scanning.



## **Best Image Quality** Plus **More Features** Equals **Better Value!**

www.goinfrared.com/T400

#### Now with FLIR FUSION!

FLIR's new FUSION functionality allows for easier identification and interpretation of infrared images. This advanced technology enhances the value of an infrared image by allowing you to overlay it directly over the corresponding visible image. This functionality combines the benefits of both the infrared image and visual picture at the push of a button. The T400 camera does this in real-time and the overlay function can be easily adjusted to suit any application such as electrical surveys, building diagnostics, and mechanical inspections.





