

THERMAL IMAGING CAMERAS Predator Series

- GTi10: Thermal Imaging**
- GTi20: Thermal/Visual Imaging with Picture-in-picture**
- GTi30: Thermal/Visual Imaging with & Picture-in-picture, Streaming Video and Voice Annotation**
- GTi50**

Ideal for revealing invisible heat-driven processes and problems.

By converting objects' infrared (IR) radiation to visible color images, thermal imaging cameras can detect very small temperature differences from a distance. Heat signatures can help diagnose the cause of equipment failures and poor performance due to wear and tear, misalignments and fault conditions.

Applications include: equipment maintenance and repair (MRO); building energy audits; process/manufacturing plant maintenance; water damage restoration; automotive repair; firefighting; navigation; surveillance.

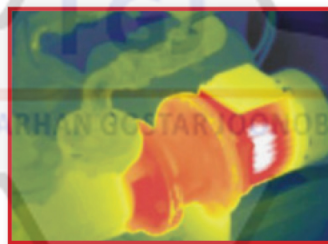
KEY FEATURES:

- 160 x 120 pixel IR detector (GTi10/20/30)
384 x 288 pixel IR detector (GTi50)
- Temperature sensitivity of $\pm 0.14^{\circ}\text{F}$ (0.08°C)
Temperature sensitivity of $\pm 0.072^{\circ}\text{F}$ (0.04°C) (GTi50)
- Manual focus w/4 in. (100mm) minimum focal length
- Included 2GB MiniSD card stores images for uploading to PC
- USB 2.0 and Video Out jacks and cables
- Bright 3.5 in. (89mm) diagonal flip-up color LCD
- Manually or automatically adjustable image level and span (brightness and contrast)
- Adjustable emissivity
- Tripod mount (via optional adaptor)
- Water, dust and oil-resistant to IP54 standard
- Shock and vibration-resistant
- Powered by rechargeable Li-ion battery
- Squeezing trigger stores images
- CE and FCC compliant
- 3-year limited warranty (5 year term available)
- Up to 5 hours of operation using 2 batteries

INCLUDES:

Camera; 2 Rechargeable Li-ion Batteries; Compact Battery Charger; 2GB MiniSD Memory Card; SD Card Reader; Video Cable with BNC Plug; USB 2.0 Cable; Lens Cap; Standard Analysis & Reporting Software on CD; Calibration Certificate; Sun Shield; Hand & Neck Straps; Custom Hard Case; User's Manual; Bluetooth Headset with Charger (GTi30 & GTi50); 3-Year Limited Warranty

UPC	NO.	TEMPERATURE RANGE
01550 6	GTi10	-4° to 572°F (-20° to 300°C)
01624 4	GTi10-600	-4° to 1112°F (-20° to 600°C)
01649 7	GTi10-1000	-4° to 1832°F (-20° to 1000°C)
01627 5	GTi10-1500	-4° to 2732°F (-20° to 1500°C)
01586 5	GTi20	-4° to 572°F (-20° to 300°C)
01650 3	GTi20-600	-4° to 1112°F (-20° to 600°C)
01651 0	GTi20-1000	-4° to 1832°F (-20° to 1000°C)
01652 7	GTi20-1500	-4° to 2732°F (-20° to 1500°C)
01551 3	GTi30	-4° to 572°F (-20° to 300°C)
01592 6	GTi50	-4° to 572°F (-20° to 300°C)
01641 1	GTi50-600	-4° to 1112°F (-20° to 600°C)
01653 4	GTi50-1000	-4° to 1832°F (-20° to 1000°C)
01619 0	GTi50-1500	-4° to 2732°F (-20° to 1500°C)



An IR image of a water pump's motor



GTi10

GTi20
GTi30
GTi50

OPTIONAL ACCESSORIES:

UPC	NO.	DESCRIPTION
01607 7	L38	38° Wide-angle Lens for GTi10/20/30
01609 1	L12	12° Telephoto Lens for GTi10/20/30
01610 7	L09	9° Telephoto Lens for GTi10/20/30
01611 4	L6P4	6.4° Telephoto Lens for GTi10/20/30
01613 8	L548	48° Wide-angle Lens for GTi50
01615 2	L512	12° Telephoto Lens for GTi50
01623 7	SWG3NS	Professional Analysis & Reporting Software for GTi30/50 (includes streaming video software driver)
01616 9	ADPTRGTi	AC Adaptor for GTi10/20/30/50
01617 6	BTTGTi	Extra battery for GTi10/20/30/50
01637 4	CRCHGTi	Car Charger for GTi10/20/30/50
01618 3	TRPDGTi	Tripod Adaptor for GTi10/20/30/50



All four GTi thermal imaging cameras feature a large, bright color LCD and point-and-shoot simplicity

10 General Tools & Instruments

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+989034119385

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THERMAL IMAGING CAMERAS
Predator Series

"PREDATOR" SERIES FEATURES & SPECIFICATIONS	GTi10	GTi20	GTi30	GTi50
	Picture-in-Picture Mode (Visual + Thermal Image Fusion)	No	Yes	
Analysis Tools	2 Movable Spots, Isothermal Analysis	4 Movable Spots, Isothermal Analysis	9 Movable Spots, Isothermal Analysis Profile Analysis, 5 Area Analysis	
LED Flashlight	No	Yes		
Temperature Alarms	No	Yes		
Visual File Format	Prop SAT/JPG	Prop SAT/CCD/JPG		
Visual Image Resolution	N/A	320 x 240 pixels		640 x 480 pixels
Thermal Video Streaming	No	Yes (Via USB)		
Voice Annotation	No	Yes (Via Bluetooth)		
IR Resolution		160 x 120 pixels		384 x 288 pixels
Spatial Resolution		2.2 mrad		1.3 mrad
Thermal Sensitivity at 86°F (30°C)		±0.14°F (0.08°C)		±0.072°F (0.04°C)
Field of View		20° x 15°		24° x 18°
Refresh Rate		30 frames per second (fps)		
IR Detector Spectral Range		8 to 14um		
Laser Pointer		Yes		
Temperature Measurement Range	-4° to 572°F (-20° to 300°C), upgradeable to 1112°F (600°C), 1832°F (1000°C) or 2732°F (1500°C)			
Detector Type	Uncooled focal plane array, manual focusing			
Accuracy	±3°F (2°C) or 2% of reading, whichever is greater			
Focusing	Manual			
Measurement Compensation Factors	Emissivity, Ambient Temperature, Humidity, Distance			
Minimum Focal Distance	4 in. (100mm)			
Optional Telephoto and Wide-Angle Lenses	6.4°, 9°, 12° and 38° field of view for GTi10/20/30; 12° and 48° FOV for GTi50			
Display	Flip-up 3.5 in. diagonal color LCD			
Auto Hot/Cold Spot Indicator	Yes			
Video Output Formats	NTSC, PAL			
Color Palettes	Ironbow, Iron-Inverted, Rainbow, Feather, Grey, Grey-Inverted			
Image Storage Medium, Capacity	2GB MiniSD memory card (included)			
Thermal File Format	Proprietary SAT, Radiometric, JPG			
Battery	Rechargeable Lithium-Ion			
Total Charge Capacity	Up to 5 hours continuous with 2 batteries			
Power Saver Mode	Yes			
Operating Temperature	-4° to 122°F (-20° to 50°C) @ 10 to 90% RH			
Water/Dust/Oil Resistance	IP54			
Shock Resistance	Operational 25G			
Vibration Resistance	Operational 2G			
Tripod Mount	Non-standard.	Optional Adaptor needed (No. TRPDGTi)		
Weight	1.3 lb. (580g)			
Dimensions	6.8 x 3.1 x 6.4 in. (172 x 80 x 162mm)			
External Power Source	Compact Battery Charger provided. Optional Accessories: AC Adaptor (No. ADPTRGTi), Car Charger (No. CRCHGTi)			
Limited Warranty Duration	3-Years (5-year term available)			

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