



"PREDATOR" Series Thermal Imaging Cameras

GTi10
GTi20
GTi30

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

Available Q3 2012

Ideal for revealing hidden heat-driven processes and problems. Applications include: equipment maintenance, repair and operations (MRO); building energy audits; process/manufacturing plant maintenance; water damage restoration; firefighting; navigation; surveillance.

By converting objects' infrared (IR) radiation to visible color images, thermal imaging cameras make it possible to 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.



No. GTi10



No. GTi20 and No. GTi30

Features & Benefits:

- 160 x 120 (19,200) pixel focal plane array IR detector
- Temperature sensitivity of $\pm 0.14^{\circ}\text{F}$ (0.08°C) or better
- 4 in. (100mm) minimum focal distance allows close-up work
- Included 2GB MiniSD card stores images for later uploading to PC
- USB 2.0 and Video Out jacks
- Bright 3.5 in. diagonal flip-up color LCD
- Manually or automatically adjustable image level and span (brightness and contrast)
- Variable emissivity
- Tripod mount (via optional adaptor)
- Water, dust and oil-resistant to IP54 standard
- Shock and vibration-resistant
- Powered by rechargeable Li-ion battery
- 3 Year limited warranty
- Up to 5 hours of operation using 2 batteries

Includes:

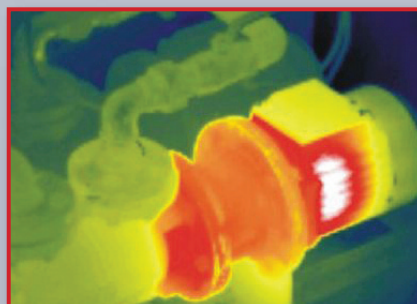
Camera; 2 Rechargeable Li-ion Batteries; AC Adaptor; Compact Battery Charger; 2GB MiniSD Memory Card; SD Card Reader; Video Cable with BNC Plug; USB 2.0 Cable; Bluetooth Headset with Charger (GTi30 only); Lens Cap; Analysis & Reporting Software on CD; Calibration Certificate; Hand & Neck Straps; Custom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

Optional Accessories:

Extra Batteries; Wide-Angle Lens with 38° Field of View; Telephoto Lens with 9° or 6.4° Field of View; Tripod Mount Adaptor; Car Charger; Sun Shield



A hot-water valve, shot in the dark



An IR image of a water pump's motor



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



"PREDATOR" SERIES Thermal Imaging Cameras

	GTi10	GTi20	GTi30
"PREDATOR" SERIES FEATURES & SPECIFICATIONS			
Picture-in-Picture Mode (Visual + Thermal Image Fusion)	No	Yes	Yes
Analysis Tools	2 Movable Spots, Isothermal Analysis	4 Movable Spots, Isothermal Analysis	9 Movable Spots, Isothermal Analysis Profile Analysis, 5 Area Analysis
Thermal Video Streaming	No	No	Yes (Via USB)
LED Flashlight	No	Yes	Yes
Voice Annotation	No	No	Yes (Via Bluetooth)
Temperature Alarms	No	Yes	Yes
Refresh Rate	30 frames per second (fps)	30 frames per second (fps)	30 frames per second (fps)
Visual Image Display Resolution	N/A	320 x 240 pixels	320 x 240 pixels
Visual File Format	No	CCD/JPG	CCD/JPG
Laser Pointer		Yes	
Field of View		20° x 15°	
Spatial Resolution		2.2 mrad	
Temperature Measurement Range		-4° to 572°F (-20° to 300°C), upgradeable to 2732°F (1500°C)	
Thermal Sensitivity		±1.4°F (0.08°C) at 86°F (30°C)	
Detector Type		Uncooled focal plane array, manual focusing	
Accuracy		±3°F (2°C) or 2% of reading	
IR Detector Resolution		160 x 120 pixels (19200 pixels)	
IR Detector Spectral Range		8 to 14um	
Focusing		Manual	
Measurement Compensation Factors		Emissivity, Ambient Temperature, Humidity, Distance	
Minimum Focal Distance		4 in. (100mm)	
Optional Telephoto and Wide-Angle Lenses		Yes (6.4°, 9° and 38° Field of View available)	
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	
Text Input		No	
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	
Weight		1.3 lb. (580g)	
Dimensions		6.8 x 3.1 x 6.4 in. (172 x 80 x 162mm)	
Tripod Mount		Standard Base (Adaptor Optional)	
External Power Source		AC Adaptor	
Limited Warranty Duration		3 Years	



General Tools & Instruments

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