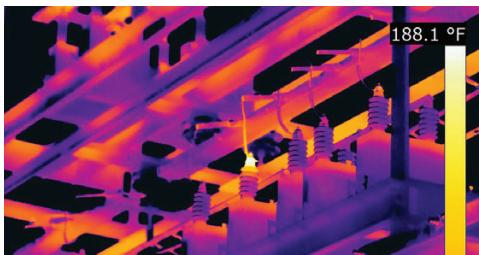


HD THERMAL IMAGING CAMERA**FLIR T1K™**

The FLIR T1010 and T1020 offer remarkable temperature measurement range, up to 3.1 MP resolution (with UltraMax®), and a modern, intuitive graphical user interface (GUI) that will streamline your workday. Features such as MSX® and 1-Touch Level/Span enhance image quality and contrast, so you can interpret images on-screen and make crucial decisions in the field. When paired with FLIR OSX™ Precision HDIR optics, these true HD cameras measure temperature with the highest accuracy and deliver stunning image quality. For the sharpest images, the truest temperatures, and the most flexibility, T1K cameras are the tool of choice for the thermography expert.

www.flir.com/s/dne1010

**OUTSTANDING IMAGE CLARITY**

See more detail and find hidden problems before they lead to costly system failures or shutdowns

- Get the best resolution of any FLIR hand-held camera with the T1K's 1024 x 768 detector
- Detect subtle temperature differences, down to $<0.01^{\circ}\text{C}$, that may signal an electrical or mechanical problem
- Record smooth, low-noise images that are easy to interpret with FLIR Vision Processing™, featuring MSX, UltraMax®, and proprietary adaptive filtering algorithms

EXCEPTIONAL MEASUREMENT PERFORMANCE

Get accurate temperature readings from any angle or distance, so you can troubleshoot systems

- Pinpoint small temperature anomalies from farther away with FLIR's high-fidelity OSX Precision HDIR lenses
- Enhance measurement accuracy with UltraMax, which improves the distance to spot-size ratio
- Monitor electrical and mechanical systems with a variety of temperature conditions thanks to measurement ranges up to 2000°C (3632°F)*

**DESIGNED FOR THE EXPERT USER**

Compact format, a responsive new user-interface, and advanced reporting software make your workday more productive

- Navigate screens and set up work folders easily with intuitive, rapid-response GUI
- Adjust images and improve measurements in the camera with features such as 1-Touch Level/Span
- Capture full-resolution, full-frame radiometric video for comprehensive analysis*
- Analyze thermal images and report findings easily with included FLIR Tools+ software

*T1020 only

SPECIFICATIONS

Image and optical data	T1010	T1020	Measurement & analysis	T1010	T1020
IR resolution	1024 x 768 (786,432 pixels)	3.14 Mpixels	Compass, GPS	—	Yes; automatic GPS image tagging
UltraMax®			METERLINK®	—	Yes; several readings
Field of view (FOV)	45° x 34° (21 mm lens), 28° x 21° (36 mm lens), 12° x 9° (83 mm lens), 7° x 5.3° (142 mm lens)		Measurement presets	No measurement, center spot, hot spot, cold spot, User Preset 1, User Preset 2	
F-number	f/1.1 (21 mm lens), f/1.15 (36 mm lens), f/1.2 (83 and 142 mm lenses)		Spotmeter	1	10
Lens identification	Automatic		Area	1 box with max/min/avg	5 + 5 areas (boxes and circles) with max/min/avg
Image frequency	30 Hz		Laser pointer		Dedicated button
Focus	One-shot, manual				
Digital zoom	1-8x continuous				
Detector data	Data storage and streaming				
Detector type and pitch	Storage media Removable SD card				
Spectral range	Image file format Standard JPEG with measurement data included				
Thermal sensitivity/NETD	<25 mK @ 30°C (86°F)	<20 mK @ 30°C (86°F)	Radiometric IR video recording	—	Real-time radiometric recording (.csq)
			Non-radiometric IR or visual video		H.264 to memory card
			Radiometric IR video streaming		Yes, over USB
			Non-radiometric ir video streaming	H.264 over USB	H.264 over Wi-Fi or USB
			Video out	—	HDMI 640 x 480, HDMI 1280 x 720, DVI 640 x 480, DVI 800 x 600 Additional Data Battery Type
Image presentation and modes	Additional features				
Display	Battery type Rechargeable Li-ion battery				
Viewfinder	—	Built-in, 800 x 480 pixels	Battery operating time	Approx. 2.5 hours at 25°C (77°F) ambient temperature and typical use	
Digital camera	Operating temperature range -15°C to 50°C (5°F to 122°F)				
Color palettes	Storage temperature range -40°C to 70°C (-40°F to 158°F)				
Image modes	Infrared, visual, MSX	Infrared, visual, MSX, Picture-in-picture	Shock/vibration/encapsulation; safety	25 g / IEC 60068-2-29, 2 g / IEC 60068-2-6, IP 54 / IEC 60529; EN/UL/CSA/PSE 60950-1	
Picture-in-picture	—	Resizable and movable	Tripod mounting	UNC 1/4"-20	
Time-lapse (infrared)	—	15 sec to 24 hrs	Weight/dimensions w/o lens	2.1 kg (4.6 lbs), 16.7 x 20.5 x 18.8 cm (6.6 x 8.0 x 7.4 in)	
Measurement & analysis	Box contents				
Object temperature range	-40°C to 150°C (-40°F to 302°F), 0°C to 650°C (32°F to 1200°F)	-40°C to 150°C (-40°F to 302°F), 0°C to 650°C (32°F to 1200°F), 300°C to 2000°C (572°F to 3632°F)	Infrared camera with lens, battery (2 ea) battery charger, neck strap, hard transport case, Bluetooth headset*, lens cap, power supplies, SD card, cables (Std A to Micro-B USB, HDMI to HDMI), FLIR Tools+, printed documentation		
Accuracy	±2°C (±3.6°F) or ±2% of reading at 25°C (77°F)	±1°C (±1.8°F) or ±1% at 25°C (77°F) for temperatures from 5°C to 150°C (41°F to 302°F)	Specifications are subject to change without notice. For the most up-to-date specs, go to www.flir.com		
Alarms	—	Above, below, interval, moisture, insulation			
Measurement function alarm	—	Audible/visible above/below alarms on any selected measurement function			



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