

Pocket2 Pocket Series Handheld Thermal Camera



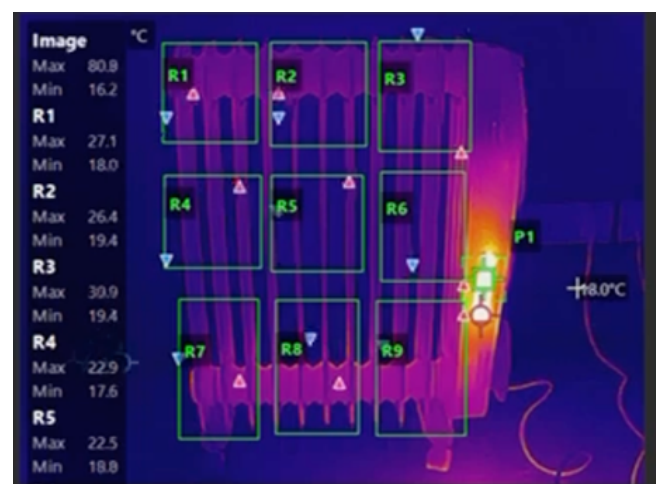
Compact, 256×192 Resolution with Rechargeable Battery

The Pocket2 is a compact thermal camera engineered to efficiently locate hidden problems and accurately measure abnormal temperatures across building inspection, HVAC, electrical, and mechanical equipment maintenance. Driven by a high-resolution VOx detector and enhanced by SuperIR image enhancement technology, it delivers striking clarity and precision across both live-view and captured images.

Whether you are hunting down hotspots in motors, pumps, or electrical panels, the Pocket2 combines an 8 MP optical camera with thermal imaging - utilizing Fusion, PIP & Blending modes to provide the exact visual context needed for pinpointing heated components.

Key Highlights

- **SuperIR Image Enhancement:** Instantly upscale your thermal resolution from a native 256x192 (49,152 pixels) for unmatched detail.
- **Advanced Desktop Analysis Software:** Plot live temperature graphs with the advanced analysis software. Up to 32 customizable analysis shapes or spots can be added during image/video analysis with csv/pdf report export.
- **Image Blending & 8 MP Visuals:** High-resolution 8 MP optical camera alongside thermal imaging across five distinct modes: Thermal, Fusion, PIP, Visual, and Blending.
- **Video Recording & Fluid 25 Hz Refresh Rate:** Record ~300 hrs of video and enjoy smooth, real-time panning without the lag found in standard 9 Hz cameras.
- **Built for the Field with expanded storage:** Features a rugged IP54 rating, a 2-meter (6.56 ft) drop test certification, a generous 64 GB internal flash memory (storing ~80,000 images), and up to 4 hours of continuous battery runtime.



Technical Specifications

Infrared Image	
IR Resolution	256x192 (49,152 pixels)
SuperIR	Yes, on captured images & live view
NETD	< 40 mK (@ 25 °C, F#=1.0)
Image Frequency	25 Hz
Detector Pitch	12 µm
Focal Length	3.5mm
Spectral Range	7.5 to 14 µm
F-number	F1.1
Field of View (FOV)	50° × 37.2°
Spatial Resolution (IFOV)	3.43 mrad
Min. Focus Distance	0.3m (0.98 ft)
Focus Mode	Focus Free
Measurement & Analysis	
Default Scene Settings	Custom, Water Leak, Insulation, Condensation, Floor Heating, Electrical Faults, Macro Mode, Solar Panel
SuperScene Alarm	Water Leak, Insulation, Floor Heating
Temperature Measurement Mode	Measurements presets (center, max, min, off)
Object Temperature Range	Range -20°C to 150°C (-4°F to 302°F) Range 100°C to 400°C (212°F to 752°F)
Accuracy	Max (±2°C/3.6°F, ±2%) at ambient temperature 15°C to 35°C (59°F to 95°F) and object temperature above 0°C (32°F)
Level and Span Mode	Auto/Manual/1-Tap Touch-screen
Image Display	
Visual Camera	3264x2448 (8MP)
Display	640x480 Resolution, 3.5" LCD Touch Screen with auto rotation
Digital Zoom	1.0x to 4.0x continuous

Color Palettes	White Hot, Black Hot, Rainbow, Ironbow, Red Hot, Fusion, Rain, Blue Red
Image Modes	Thermal / Visual / Fusion / PIP / Blending
Data Storage & Communication	
Storage Media	Built-in 64 GB flash memory
Image Storage Capacity	80,000+ images
Image File Format	Radiometric JPEG
Annotations	Text note: max 255 characters
Video Storage Capacity	MP4 Approx. 310h, HRV Approx. 90h
Video File Format	MP4 video (25Hz) and Radiometric video (5Hz)
Radiometric IR-Video Streaming (Compressed)	Over UVC
General	
Wi-Fi	802.11 b/g/n (2.4 GHz and 5 GHz)
USB Interface	USB Type-C
LED Light	Yes
Power Supply	USB-C (5V/2A)
Battery Type	Rechargeable Li-ion battery
Battery Operating Time	Approx 4 hours
Battery Charging Time	Approx 3 hours fully charged
Protection Level	IP54
Drop Test Height	2m (6.56 ft)
Working Temperature Range	-10 °C to 50 °C (14 °F to 122 °F)
Storage Temperature Range	-20 °C to 60 °C (-4 °F to 140 °F)
Relative Humidity	< 95% non-condensing
Weight	Approx 218g
Dimensions	138.5 x 85.2 x 23.6 mm (5.45 x 3.35 x 0.93 in)
Tripod Mounting	UNC ¼"-20
Packing List	Camera (x1), QSG (x1), USB cable (x1), Carrying Pouch (x1), Wrist Strap (x1)