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(57) Abstract :  
 A thermal imaging device (100) for CPU and server monitoring includes an IR sensor array (120), microcontroller (130), and communication module (150) for real-time thermal profiling. The system issues alerts using LEDs (190) and buzzer (195) when temperature thresholds are exceeded. A mounting bracket (170) and ambient sensor (145) enhance positioning and accuracy. Designed for continuous operation, the device enables predictive overheating detection and integration with server control systems to improve thermal reliability and reduce failure risk.

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