**Flir Unveils C8 Next-Generation Compact Thermal Imaging Camera for Faster, Clearer, and More Reliable Inspections**

*Electrical/Mechanical Maintenance, Building Diagnostics and Vehicle Inspection Professionals All Set to Benefit from the Rugged, Easy-to-Use Flir C8*

**September 2, 2025** – [Flir](https://www.flir.com/), a Teledyne Technologies company, today launched the C8 thermal imaging camera, a new device set to enhance compact thermal diagnostics with high-clarity, rapid results. Improvements to the new-generation C8 include enhanced image quality, higher accuracy, improved sensitivity, and the addition of advanced reporting templates within Flir Ignite Pro.

Traditional thermal inspections can be slow, unclear, and hard to document, relying on manual processes that risk overlooking critical issues. The result of these inefficiencies can lead to higher maintenance costs, delayed repairs, and reduced productivity. The Flir C8 solves these challenges with a rugged, easy-to-use form factor that puts powerful, high-resolution thermography into the hands of users, ensuring accurate, efficient, standardized inspections. In addition, technicians can integrate FLIR Ignite Pro cloud connectivity and newly devised advanced reporting templates that not only streamline workflows and save time but also support easy collaboration.

**Get a Clear View**

New capabilities for the Flir C8 include 320 x 240 thermal resolution and 35° horizontal field of view to increase the number of pixels on the target and enhance image clarity. In combination with Flir’s patented MSX® detail enhancement technology, sharp thermal images become the norm, in turn supporting faster fault and anomaly detection for more accurate diagnostics.

“Users of our C8 can enjoy up to 40-50% quicker inspections, helping to cut labor and downtime costs,” revealed John Gould, Director – Global Business Development – Condition Monitoring. “Identifying faults faster and acting sooner reduces expensive outages and unplanned repairs, while confidence in consistent, reliable results is assured thanks to high resolution and high thermal sensitivity. Furthermore, isotherm alarms instantly highlight when temperatures cross set limits, helping users quickly identify potential issues”.

**Reporting for Duty**

Offering an easy way to document and share findings with others, C8 users can cut their reporting time by 20-40% through integration with Flir Ignite Pro. This secure cloud storage and reporting software for professional thermographers means technicians can automatically upload inspection images to the cloud for processing and analysis.

Connected workflows through automatic cloud uploads and purpose-built report templates speed documentation and sharing while eliminating manual steps and any potential for data loss. Users can subsequently focus on problem solving rather than paperwork.

**Compact and Rugged**

A durable, easy-to-handle form factor meets industrial standards for drop (2 m, 6ft 7”) and ingress protection (IP54), ensuring the C8 is ready for demanding operating environments. Applications include:

* Electrical and mechanical maintenance activities: Inspection professionals can quickly take advantage of the Flir C8 to detect faults and issues in factories, process plants, commercial facilities, and utilities to prevent downtime and extend equipment life.
* Building diagnostics: Users can perform thorough inspections of electrical systems, HVAC components, plumbing systems, and structural elements to identify hidden problems and improve building performance. The Flir C8 is ideal for restoration projects.
* Vehicle inspection: Technicians can easily inspect engines, exhaust systems, and other hard-to-reach automotive components to detect wear and potential failures before they escalate. Those tasked with electrical vehicle diagnostics are also set to benefit from the new-generation C8, which features a 5MP visual camera with digital zoom.

**Intuitive Interface**

Notably, the intuitive, user-friendly 3.5” touchscreen interface empowers users of all skill levels to perform expert inspections.

Also new to Flir’s latest-generation C8 compact thermal imaging camera is increased accuracy of ±2°C @ 0°C to a newly elevated 450°C maximum object temperature. Higher sensitivity (NETD <50 mk) and streaming over USB are further additions to the extensive list of capabilities.

The Flir C8, which carries a 2-year battery warranty and 10-year detector warranty, comes complete with wrist strap lanyard, pouch, and USB Type-C cable.

To learn more about the C8 please visit: www.flir.com/products/C8

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