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# **FLIR Introduces Next Generation of Compact, High-Definition Thermal Science Cameras**

## *Easy-to-Use FLIR A8580 Camera Series Offers Simplified Connections, Precision Data, and Sharp Thermal Images*

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**ARLINGTON, Va., February 6, 2020 –** FLIR Systems, Inc. (NASDAQ: FLIR) today announced the FLIR A8580 series of thermal science cameras: a 1.3 megapixel, entry-level cooled camera designed for a wide range of industrial, military, science, and product research and development (R&D) applications. This camera records blur-free images of high-speed targets, offers a wide range of precision, manual and motorized lenses, and integrates seamlessly with the new FLIR Research Studio thermal analysis software – all providing the user with a high-end experience in a compact, easy-to-use camera.

The A8580 series includes four midwave infrared models as well as a longwave model that provides better uniformity and stability through cooldowns than other, similar LWIR cameras. This unique LWIR camera also offers wide temperature calibration ranges, reducing the need for repeated testing to fully measure a high dynamic scene, and fast integration times. All five models produce sharp, 1280×1024 thermal pixel imagery for a 30% improvement over previous FLIR compact science cameras. Users can maximize the number of pixels on their target through a suite of lens options, from the 200-millimeter telephoto lens to the 3x microscope lens for imaging extremely small targets. The cameras’ quick response times and advanced triggering options help users record crisply focused images of fast-moving targets or accurately measure rapid changes in temperature. An internal filter mechanism allows the user to quickly switch between standard and high temperature ranges with a click of a button instead of manually changing neutral density filters.

Despite the advanced features, FLIR designed the A8580 with simplified connections and controls so it’s easy to set up and begin testing. The camera ramps up quickly and connects via Gigabit Ethernet or CoaXPress to a computer running FLIR Research Studio software. This included software allows users to view the live camera image, record the image stream, and evaluate thermal data from multiple FLIR cameras and recorded sources simultaneously.

FLIR A8580 series science cameras are available for purchase today globally through the FLIR authorized network of distributors. To learn more, please visit [www.flir.com/A8580-MWIR](http://www.flir.com/A8580-MWIR) or [www.flir.com/A8580-SLS](http://www.flir.com/A8580-SLS).

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***About FLIR Systems, Inc.***

*Founded in 1978, FLIR Systems is a world-leading industrial technology company focused on intelligent sensing solutions for defense, industrial and commercial applications. FLIR Systems’ vision is to be “The World’s Sixth Sense,” creating technologies to help professionals make more informed decisions that save lives and livelihoods. For more information, please visit* [*www.flir.com*](https://www.flir.com/) *and follow* [*@flir.*](https://twitter.com/flir?ref_src=twsrc%5Egoogle%7Ctwcamp%5Eserp%7Ctwgr%5Eauthor)

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