

## FLIR Unveils Innovative '380X' Upgrade for its Star SAFIRE Long-Range Imaging Systems

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*New Hardware, Firmware, Software Upgrade is Ready for Future Augmented Reality/AI Applications; Will Reduce Operator Workload for Streamlined Decision Support*

ARLINGTON, Va.--(BUSINESS WIRE)--Jun. 15, 2020-- FLIR Systems, Inc. (NASDAQ: FLIR) announced today the release of the Star SAFIRE® 380X hardware, firmware and software upgrade to support advanced image-aiding features for its globally deployed Star SAFIRE gimbal systems, including Star SAFIRE 380-HD and 380-HDc.

This press release features multimedia. View the full release here: <https://www.businesswire.com/news/home/20200615005192/en/>



Relied on by defense and police forces in more than 40 countries for its ultra-long-range visible and thermal imaging capabilities, FLIR Star SAFIRE systems are fielded on fixed-wing aircraft and helicopters and used for a wide range of military, search and rescue, border and coastal surveillance, and airborne law enforcement applications. The all-encompassing 380X upgrade reduces operator workload for faster, smarter decision support. It features customizable configurations for multi-tile video management and visual user interface, as well as touchscreen and streaming tablet support.

The new 380X technology provides operators with:

- **Better Clarity:** Operators can see more details with the 380X's de-scintillation filter that removes atmospheric effects to reveal fine details otherwise hard to detect.
- **Multiple Video Management:** This feature allows operators to view

FLIR Star SAFIRE imaging systems are fielded on fixed-wing aircraft and helicopters worldwide. Their ultra-long-range visible and thermal imaging cameras are used for a wide range of military, search and rescue, border and coastal surveillance, and airborne law enforcement applications. The new 380X hardware, firmware, and software upgrade supports advanced features that reduce operator workload for faster, smarter decision support. (Photo: Business Wire)

multiple video sources simultaneously, including all camera payloads, plus external video input.

- **New User Interface:** Operators can now navigate menus with customizable icon-based graphics to expedite inputs when needed.
- **Improved Targeting:** The upgrade's Moving Target Indicator (MTI) helps identify threats earlier and more definitively. Future enhancement includes augmented reality overlays to identify friendly positions and no fire/restricted fire areas.
- **Augmented Reality (coming Q2-2021):** Future AR mapping overlays will improve situational awareness, depicting missions in the live environment, increasing user understanding and expediting better, smarter decisions.

"This innovative 380X upgrade introduces technology enhancements that reduce cognitive load and will harness the full potential of artificial intelligence to boost customer mission success," said FLIR Vice President and General Manager of Sensor Systems Tim Durham. "FLIR is focused on saving lives and livelihoods, and we're extremely proud of the performance and legacy of our Star SAFIRE systems. These new features extend their capability and will help reduce strain on operators during long and challenging missions."

Star SAFIRE gimbal systems provide superior image stabilization and ultra-long-range imaging performance for intelligence, surveillance and reconnaissance (ISR), search and rescue (SAR), border patrol, maritime patrol, force protection, and forward observation missions.

The 380X upgrade is currently available for Star SAFIRE 380-HD and 380-HDc systems. Learn more at [www.flir.com/380X](http://www.flir.com/380X).

### 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](http://www.flir.com) and follow [@flir](https://twitter.com/flir).

### Forward Looking Statements

*The statements in this release by Tim Durham and the other statements in this release about the contract and order described above are forward-looking statements within the meaning of the Private Securities Litigation Reform Act of 1995. Such statements are based on current expectations,*

*estimates, and projections about FLIR's business based, in part, on assumptions made by management. These statements are not guarantees of future performance and involve risks and uncertainties that are difficult to predict. Therefore, actual outcomes and results may differ materially from what is expressed or forecasted in such forward-looking statements due to numerous factors, including the following: the ability to manufacture and deliver the systems referenced in this release, changes in pricing of FLIR's products, changing demand for FLIR's products, product mix, the impact of competitive products and pricing, constraints on supplies of critical components, excess or shortage of production capacity, the ability of FLIR to manufacture and ship products in a timely manner, FLIR's continuing compliance with U.S. export control laws and regulations, and other risks discussed from time to time in FLIR's Securities and Exchange Commission filings and reports. In addition, such statements could be affected by general industry and market conditions and growth rates, and general domestic and international economic conditions. Such forward-looking statements speak only as of the date on which they are made and FLIR does not undertake any obligation to update any forward-looking statement to reflect events or circumstances after the date of this release, or for changes made to this document by wire services or Internet service providers.*

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