As a passive, long-range sensor system, IRST21 uses infrared search and track technology to detect and track airborne threats with weapon-quality accuracy, increasing pilot reaction time and improving survivability in radar-denied environments.

**Capabilities**

- Compact design enables IRST21 to be integrated in a variety of ways across any aircraft.
- Long-range passive detection and targeting – immune to electronic deception during highly contested operations.
- Can be integrated on an aircraft through Legion Pod, in a fuel tank, in a pylon, or embedded.

**Proven Performance**

- 40+ years of developing IRST technology
- 300,000+ Flight Hours on U.S. Air Force and U.S. Navy platforms
- Low false alarm rates
- 7 domestic and international customers

**Milestones**

- 100+ systems under contract and in production – as of September 2020
- First operational flight on F-16 – July 2020
- Competitively selected for F-15 program of record – August 2017
- Block II contract awarded by U.S. Navy; the next generation of IRST21 technology – July 2017
- First fielded on F-18 – March 2019
- First flight on F-15 – July 2016
- First flight on F-16 – June 2015

**Economic Impact**

- 232 suppliers in 34 states; 139 of those suppliers are small businesses
- 2,540 direct and indirect jobs supported in the U.S.
- 4 suppliers are international
- 160 internal jobs