
COMMUNICATIONS DEPARTMENT

Dassault Aviation Certifies Dual HUD on Falcon 8X

Saint-Cloud, France, July 28, 2022—The FAA and EASA have approved use of Dassault’s advanced dual head-up display known as FalconEye, on the company’s Falcon 8X very long range trijet, adding to the aircraft’s industry-leading low visibility operations capability. The dual HUD configuration will ultimately permit an EFVS-to-land capability in near zero-zero conditions, pending new EASA regulations.

“The bottom line is that this approval results in enhanced safety and more capability for Falcons equipped with Dassault’s industry-first FalconEye technology,” said Carlos Brana, Executive Vice President, Civil Aircraft at Dassault Aviation.

Dassault Aviation has been an undisputed leader in the development of HUD technology. In 2016, Dassault introduced FalconEye, the first head-up display (HUD) system to combine synthetic, database-driven terrain mapping and actual thermal and low-light camera images. Today, single HUD-equipped aircraft with FalconEye can fly non-precision approaches to 100 feet.

A number of 8X operators have already scheduled installation of the new mod, which allows both pilots to share the same synthetic and enhanced vision view, enabling one to act as “pilot flying” while the other monitors flight conditions. Dual HUDs enhance situational awareness while simplifying training at the same level of experience and qualification for approaches.

The dual HUD option will be certified on the Falcon 6X, due to enter service mid-2023, and on the ultra-long range Falcon 10X, planned for certification in late 2025.

The dual HUD on the Falcon 10X will take the dual HUD configuration to an even more advanced level in which it can serve as the “primary means of pilot operation,” freeing pilots to configure the instrument panel’s primary flight display for other uses.

Meanwhile, Dassault’s current HUD and FalconEye equipped aircraft can now operate to 200 feet with a 30 percent runway visual range (RVR) credit without any flight department specific EASA approval required. EASA eased approval requirements after taking into account HUD and EFVS technology improvements through the past 20 years.

ABOUT DASSAULT AVIATION:

Dassault Aviation is a leading aerospace company with a presence in over 90 countries across six continents. Dassault designs and builds the family of Falcon business jets as well as the Rafale fighter jet. The company employs a workforce of over 12,000 and has production facilities in both France and the United States, and a worldwide service network. Since the rollout of the first Falcon 20 in 1963, over 2,650 Falcons have been delivered. The tri-jet and twin-engine lines offer outstanding efficiency and comfort, with ranges from 4,000 nm to 7,500nm. They include the new flagship Falcon 10X, the pioneering Falcon 7X and 8X, the extra widebody Falcon 6X, and the versatile Falcon 900LX and 2000LXS.

For more information about Dassault Falcon business jets, visit: www.dassaultfalcon.com

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