

Intel® Falcon™ 8+ System

Performance. Precision. Safety.

Oct. 11, 2016 — Intel Corporation today announced the Intel® Falcon 8+ system, an advanced drone with full electronic system redundancy that is designed with safety, ease, performance and precision for the North American markets. The Intel Falcon 8+ is outfitted for industrial inspection, surveying and mapping geared toward professionals and experts. This sophisticated system also includes the Intel Cockpit for ground control and the Intel Powerpack smart battery as the power supply.

Intel Falcon 8+

- The Intel Falcon 8+ is an advanced, ready-to-fly UAS for professional drone service providers and industries for North American markets.
- This patented V-form octocopter provides full electronic system redundancy, which features redundant batteries, redundant communication between all flight-relevant components and redundant sensing.
- This leading-edge UAV is powered with AscTec® Trinity technology – a triple-redundant autopilot with three redundant inertial measurement units that compensate for external influences like electromagnetic fields or strong winds.
- The UAS has automated aerial-sensing solutions with best-in-class onboard sensors, providing detailed orthography down to millimeter accuracy ground sample distance (GSD). Consistent waypoint automation enables reproducible flights for valuable structural analysis.
- The Intel Falcon 8+ system shares similar features with its predecessor, the AscTec Falcon 8: best performance and weight-to-payload ratio in the entire market; highest stability in harsh conditions; easily exchangeable and deeply integrated payloads; best-in-class safety including unmatched robustness against magnetic field disturbances; and high-precision GPS.

Intel Cockpit

- The Intel Cockpit is a completely redesigned mobile ground station and features a robust, water-resistant user interface, for use even in harsh outdoor environments.
- With the integrated Intel-based tablet, operators are able to plan and execute highly complex missions with ease.
- The Intel Cockpit integrates independent control and safety features with low-latency digital video link. This supports payloads with up to 1080p resolutions for a stunning live view.
- Incorporates a new, exciting joystick for single-hand flight control, simplifying the user experience and allowing users to focus on the task.

Intel Powerpack

- Intel Powerpack smart batteries power the Intel Falcon 8+ drone and the Intel Cockpit and feature automatic balancing, storage mode, charging and LEDs that display remaining battery life.
- The battery is small enough to meet airline shipping requirements.

Intel is focused on creating innovative new technologies in the UAV segment. With the Intel Falcon 8+ system, Intel offers a highly reliable, lightweight drone for challenging applications in demanding industries.

Continue to learn more about Intel's activities in the drone space at <http://www.intel.com/drones>

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