DJI INSPIRE 3 SPECS

Aircraft

Model	T740
Aircraft Weight	Approx. 3,995 g (includes gimbal camera, two batteries, lens, PROSSD, and propellers)
Max Takeoff Weight	Approx. 4,310 g
Hovering Accuracy Range	Vertical: ±0.1 m (with vision positioning) ±0.5 m (with GNSS positioning) ±0.1 m (with RTK positioning) Horizontal: ±0.3 m (with vision positioning) ±0.5 m (with GNSS positioning) ±0.1 m (with RTK positioning)
RTK Positioning Accuracy (RTK fix)	1 cm + 1 PPM (horizontal) 1.5 cm + 1 PPM (vertical)
Max Angular Velocity	Pitch: 200°/s Roll: 200°/s Yaw: 150°/s
Max Tilt Angle	N Mode: 35° S Mode: 40° A Mode: 35° T Mode: 20° Emergency Brake: 55°
Max Ascent Speed	8 m/s Measured when flying in a windless environment at sea level, with gimbal camera and lens attached to the aircraft and without other accessories. This data is for reference only.

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Max Descent Speed	Vertical: 8 m/s Tilt: 10 m/s Measured when flying in a windless environment at sea level, with gimbal camera and lens attached to the aircraft and without other accessories. This data is for reference only.
Max Horizontal Speed	94 kph Measured when flying in a windless environment at sea level, with gimbal camera and lens attached to the aircraft and without other accessories. This data is for reference only.
Max Service Ceiling Above Sea Level	Standard Propellers: 3800 m High-Altitude Propellers: 7000 m Measured in an environment with light wind with the gimbal camera and lens attached to the aircraft and without other accessories. This data is for reference only.
Max Wind Resistance	Takeoff/land: 12 m/s In-flight: 14 m/s Measured when flying at sea level, with gimbal camera and lens attached to the aircraft and without other accessories. This data is for reference only.
Max Hovering Time	Approx. 25 minutes Measured when hovering in a windless environment at sea level with gimbal camera and lens attached to the aircraft and without other accessories, with landing gear raised, and recording 4K/24fps H.264 (S35) video until the battery reached 0%. This data is for reference only. Please refer to the actual values in the app.
Max Flight Time	Approx. 28 minutes (landing gear lowered) Approx. 26 minutes (landing gear raised) Measured when flying forward at a constant speed of 36 kph in a windless environment at sea level, with gimbal camera and lens attached to the aircraft and without other accessories, and recording 4K/24fps H.264 (S35) video until the battery reached 0%. This data is for reference only. Please refer to the actual values in the app.
Motor Model	DJI 3511s

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Global Navigation Satellite System	GPS + Galileo + BeiDou
Propeller Model	Standard Propellers: DJI 1671 High-Altitude Propellers: DJI 1676
Operating Temperature	-20° to 40° C (-4° to 104° F)
Diagonal Distance	Landing Gear Raised: 695 mm Landing Gear Lowered: 685 mm
Travel Mode Dimensions	Height: 176 mm Width: 709.8 mm Length: 500.5 mm