

SONY

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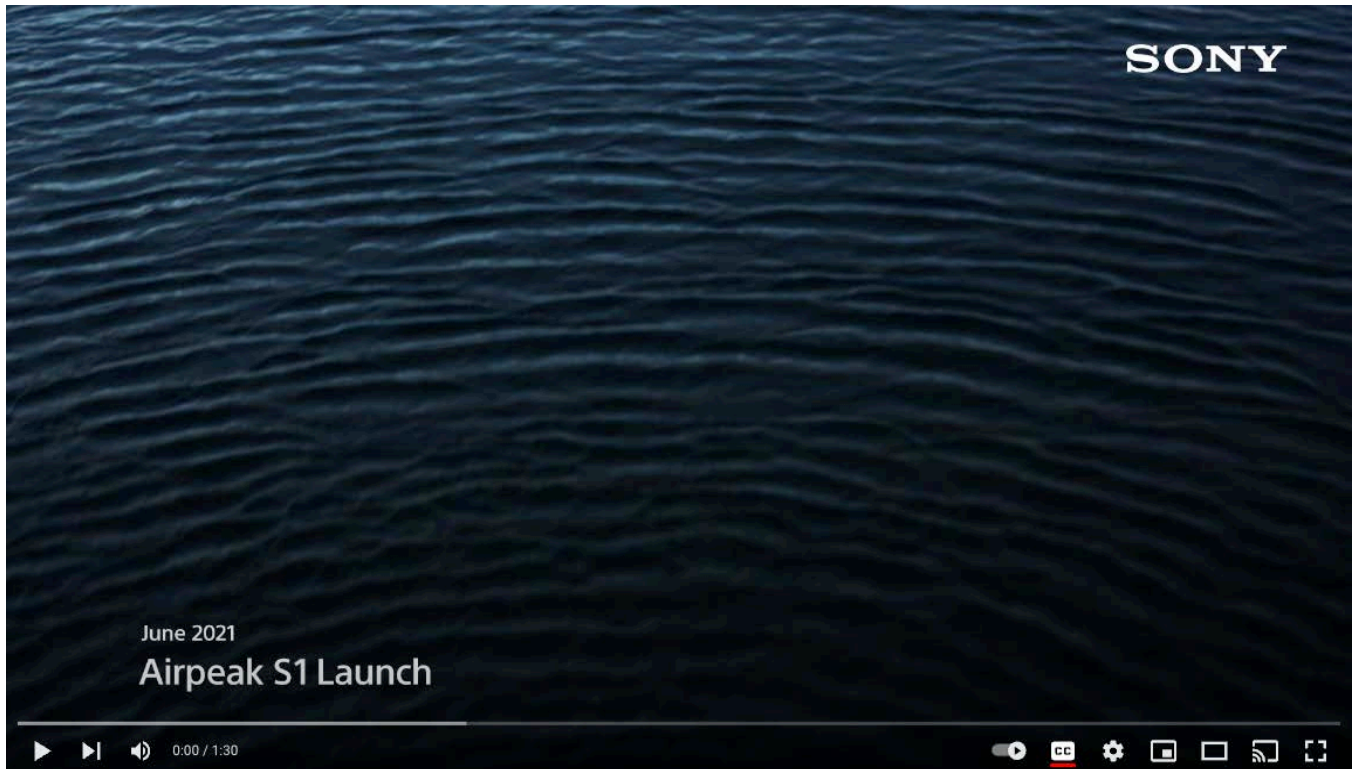
Airpeak S1 combines five directional stereo cameras with infrared range sensor for optimal obstacle avoidance. The automatic deceleration and braking functions allow it to intuitively respond to the environment and its situation. The “obstacle brake function” can be enabled in both automated and manual modes, and there is the option to restrict sensing to a specific direction, or disable the braking function altogether.

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Airpeak S1 is fitted with a landing gear with open/close legs in-flight, allowing the gimbal to pan without worrying about them appearing into images.

SONY AIRPEAK DRONE	S1
Diagonal Wheelbase	Approx. 25.5 inch (without propellers)
Max Speed	25m/s (55.9 mph) without payload, obstacle brake disabled
Max Ascent Speed	7m/s (without payload, obstacle brake disabled)
Max Descent Speed	4m/s (without payload, obstacle brake disabled)
Acceleration	Approx. 3.5 seconds (from 0 to 49.7mph, without payload)
Max Angular Velocity	Pitch: 180°/s, Yaw: 180°/s, Roll:180°/s (Vision Positioning disabled)
Max Pitch Angle	55° (Obstacle brake disabled), 35° (Obstacle brake enabled)
Max Flight Time	Approx.22 minutes (without payload) Approx.12 minutes (with a7SIII and SEL24F14GM) *without payload, cruising speed(9m/s) , sea level, no wind
Hovering Accuracy Range	Vertical: ±0.3ft, Horizontal: ±0.3ft (GNSS and Vision Positioning enabled) Vertical: ±1.6ft, Horizontal: ±4.9ft (GNSS enabled and Vision Positioning disabled)
Operating Frequency	2.4 – 2.4835GHz, 5.15 – 5.25GHz, 5.725 – 5.82GHz
EIRP	2.4 – 2.4835GHz: 23.8dBm, 5.15 – 5.25GHz: 18dBm, 5.725 – 5.82GHz: 25.6dBm
Max Transmitting Distance	2.4 - 2.4835 GHz: 1.2 mile 5.15 - 5.25 GHz: 0.6 mile 5.725 - 5.82 GHz: 1.2mile *Unobstructed, free of interference
Propeller Model	PPL1785

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<https://youtu.be/U8KA55Vu07c>



Advanced camera control for flexible shooting

With Airpeak S1, the camera can be controlled from the remote controller. The user can check and change camera settings at-a-glance. With the latest system update, more settings such as focus area settings can be controlled and focus point can be selected by tapping the screen.