

JCMATTHEW

The SwellPro logo consists of the word "SwellPro" in a white, sans-serif font, set against a solid black rectangular background.

ALL-NEW Swellpro SplashDrone 4 Water resistant Drone

Announcing the new The Swellpro SplashDrone 4 (SD4) Water resistant Drone – the most advanced Fishing & Marine Drone on the market

JCMatthew as the exclusive Swellpro agent in New Zealand are very pleased to release the brand new SD4 Water resistant drone to the New Zealand market. The new SD4 is the culmination of many years of development and local testing and guidance by the JCMatthew NZ team right here in New Zealand.

The SwellPro SplashDrone 4 (SD4) is the latest evolution of the water resistant drone.

This all-new drone represents over seven years of design improvements and experience - resulting in the most powerful all-digital floating & flying platform SwellPro has ever built. A new benchmark for water resistant drones. Simply put, there is no drone in the world like it.

With its modular multi-functional payload system, open interface design, and surface navigation mode, the SwellPro SplashDrone 4 can quickly adapt to different tasks in the field. The SplashDrone 4 is the 5th generation of water resistant drone from SwellPro – the pioneer and innovator of water resistant drones worldwide.

The SD4 has been designed firstly as a stable and fully featured fishing drone, able to lift baits upto 2kg more than 1km offshore. Because the SD4 is Water resistant, the SD4 comes into it's own for a variety of other applications including recreational use (Boating, Watersports & Coastal Photography), and also commercial/industrial use (from Farming & Agriculture, to Forestry, SAR & Emergency Services, Industrial & Government).

The flexibility that SD4 offers with it's wide & increasing number of payload options makes the SD4 stand out from all others in it's class.

FOR MORE INFORMATION ON SPLASHDRONE 4

PLEASE PHONE JCMATTHEW NZ ON (09) 4433758

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OR VISIT OUR WEBSITE: WWW.SPLASHDRONE.CO.NZ

Key Features of the Swellpro SplashDrone 4 include:

NOW UPTO 2KG BAIT CARRYING CAPACITY

The SD4 now has a massive 2KG Max weight carrying Capacity, that is double the weight carrying Capacity of the older SD3+ Model, meaning that if you need to heavy lift some serious baits - SD4 is ready!

MULTIPLE WATER RESISTANT PAYLOAD OPTIONS

The SD4 offers a number of different payload options – many of which have been designed to be water resistant, another first for the industry.

Depending on your requirements the payload options include: a fishing bait & payload release system, a Gimbal Stabilised 4K Video Cameras, and even high precision thermal options, the choice is yours. Best of all which-ever payload option you choose can be quickly changed in a matter of minutes.

DYNAMIC RETURN TO PILOT

The SplashDrone 4 constantly records the GPS position of the remote controller, allowing the aircraft to always return to the pilot's position even if they are on a moving boat far away from the original take-off point. Other intelligent features include:

Intelligent Follow Me: Actively track the position of the pilot at a constant angle from the front, side, and back with the camera always pointing to the subject.

Orbit Follow: Automatically follow and orbit around a moving object at a chosen radius.

Boat Mode: Equipped with floating foams, the boat mode allows SplashDrone 4 to sail on water just like a boat, providing great underwater shots while remains the water area uninterrupted. Caves and other overhead environments can now be accessed by SplashDrone 4 for research, exploration, and underwater photography.

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SMART BATTERY

The new slide-in smart battery has an internal battery management system (BMS) for real-time power monitoring and protection both in charging and discharging, ensuring battery health, safety and longer lifespan. The 6500mAh high-performance lithium technology cells provide up to 30 minutes of flight time.

QUICK TO SETUP & EASY TO USE

The SD4 Fishing Drone sets up in minutes and is ready to fly. The whole process is a BIG Improvement over the previous model SD3+. You can be up & flying within minutes so you can be in the air sooner. SD4 is also designed to be easy for beginners to start flying as it is very stable in the air & easy to control, yet comes with a slew of advanced features for the more experienced flyer.

ALL NEW IP65 WATER RESISTANT & TOUGHENED BODY

SplashDrone 4 is designed to have the best water-resistant technology in the industry. The tough, rigid fuselage is made out of industrial grade ABS. Each SplashDrone 4 is factory tested for our customers. The waterproof motors and internal electronics are also coated with corrosion-resistant coating adding an extra layer of protection over the already total water-resistant design.

NEW FLIGHT CONTROL SYSTEM

Swellpro have also upgraded the Flight Control system to the ground-breaking new S4. A more advanced system utilizing the very latest autonomous technology, which allows for more intelligent an autonomous flight modes & a much more robust and trouble free flight experience. It is designed to be industrial-grade to withstand tough & rugged New Zealand environments.

INDUSTRY LEADING FLIGHT TIIMES

Swellpro has been working hard over the last couple of years to innovate and improve it's battery technology & we are pleased to say that the result has been that the SD4 has industry leading flight time of upto 30 Minutes. This means more time in the air & less time on the ground switching batteries!

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INTELLIGENT FLIGHT MODES & NEW APP

The brand new SDFLY APP puts full control in your Hands!

The newly-developed SwellPro SD-Fly APP enables logging, planning, recording of missions as well as the control and parameter setting of cameras and other modules in flight.

Cruise Mode: Automatically fly at a designated speed and direction.

Tap To Fly: Autonomously fly to a selected location on the map at a predetermined altitude and speed, and hover awaiting further commands.

Waypoint Mission Planning: Preplan a mission by selecting a series of waypoints on the map with adjustable speed, height, hover time and camera angle at each point.

Grid Mission Planning: Connect up to 256 waypoints to form a mission area planning and the drone will follow a uniform grid pattern flight path at the selected speed and interval.

UNRIVALLED PERFORMANCE PROPULSION SYSTEM

The more powerful 740Kv Motor, 40A ESC together with optimized aerodynamic design allow for tight, responsive, and total control of SplashDrone 4 in any challenging weather conditions.

- Wind Resistance Up To 22 knots
- Up To 2kg Payload Capacity

INCREDIBLE FLIGHT RANGE

The SD4 now has a huge increase in the flight range as compared with the previous model SD3+, with now up to 5KM max range. This means that whether you are fishing or surveying your paddocks on your farm, the increased range certainly gives you the freedom to fly where you want to.

WATER RESISTANT REMOTE CONTROLLER WITH EASY TO USE APP

The fully featured Remote controller can be used in the rain, sea spray. You can even toss it in the water or rinse off any sand after a day around the sea. The built-in GPS offers a variety of new features, The joysticks & the built-in live screen and all buttons are protected against spray, yet work smoothly and precisely.

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Combined with your Smart Phone and the Swellpro SD-FLY APP, the SD4 provides you with an array of super-advanced features all at your finger-tips including real-time tracking and dynamic return to pilot. The remote controller is now capable of offering multiple devices connection for a better collaborative operation.

AUTO RETURN TO BOAT

Most drones will return to their launch point if they lose reception. When the SD4 flies out of range or you want it to return to you, the drone will automatically return to the position of the remote controller – wherever you are. With our "Return to me" feature, your SD4 will return to you even on a moving boat out in the middle of the ocean. This is all thanks to the intelligence of the Splashdrone 4 along with a built-in GPS sensor in the Remote Controller.

BREATH-TAKING 4K VIDEO

if high resolution video and image quality is important to you - then the SD4 is a great option. The SD4's 4K camera optiosn utilize a Sony 1/2.3" CMOS sensor paired with a lens that minimizes fisheye distortion for natural looking images. With the SD4 drone, you can achieve stunning high resolution video of the New Zealand coastline & fishing adventures, or record precise & accurate images around your farm, orchard, forestry or industrial applications.

POWERFLIP AUTO-RIGHTING FEATURE – WHILE FLOATING

This feature which is Patented by Swellpro means that you can truly fly worry-free over water. If your drone ever capsizes in the water for any reason, Power-Flip feature lets you "FLIP" the drone back upright to take control back, with the simple push of a button.

LOW BATTERY RETURN TO HOME

Giving you the safety and security that if the battery ever gets low, the SD4 will automatically return home. Likewise if you go out of range, the SD4 will ALSO return home. These redundancy features will give you the confidence & piece-of-mind in your equipment, so if you ever need them – they are there.

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INNOVATIVE SMOOTH+ FLIGHT CONTROL

The patented “Smooth+” flight control allows the pilot to finely tune the Roll and Yaw of SplashDrone 4.

Smooth+ makes professional, steady flight control as easy as turning the knobs.

Want to take a steady shot? Simply switch to Smooth+ control, together with our 4K 3-axis gimbal, you can take high-quality, ultra-smooth & steady shots effortlessly.

Specifications

Aircraft

Water resistant Level	IP65
Drone weight	2120 g (include battery)
Size	Diagonal motor distance: 450 mm
Max Ascend Speed	4 m/s
Max Descend Speed	4 m/s
Max Flight Speed	20 m/s
Max Flight Height	120m
Max Wind Resistance	Normal wind: 8m/s (F4) Gust: 14 m/s (F7) Peak
Hovering Accuracy	± 0.5 m
Flight Time	30 min without load
Max Flight Distance	1.5+ km control range
Max Flight Weight	3.7 KG
Max Payload	2.0 KG
Satellite	GPS/GLONSS

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Flight Control System	SwellPro S4
Motor	#3510/620KV
ESC	40A (32 bit return current)
Propeller	#1242
Working Temperature	-10°C - 40°C
Battery Type	4S 16.8V 6500mAh Lipo
Battery Weight	640 g
Charging Time	90 minutes

Remote Control

Weight	378 g (without battery)
Size	174x89x190 mm
Frequency	2405 – 2475 MHz
Band Wide	5000 KHz
Coding Mode	GFSK
Effective Distance	1.3 km (No interference, open area)
Receiving Sensitivity	-105dBm
Transmitting Power	Less than 20dBm
Channel	6
Battery Type	6V (1.5V AAx4)

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