



# THE SPLASH DRONE 3

## THE MODULAR ALL WEATHER WATERPROOF DRONE

The Splash drone 3 is the most advanced Splash drone ever released. It's the first fully integrated modular amphibious .

(1) flying platform. Thanks to its new flight control system, it's more reliable than ever. Its brand new propulsion system with the new custom 620kv motors gives you the perfect balance between power and efficiency. With the new quick release module system you can enjoy maximum versatility. The splash drone 3 auto allows you to operate in all weather conditions(2), in tough environments, whether it's over land, or over the sea. With its advanced modular design, it can quickly adapt to all types of missions, from aerial filming, to search and rescue on the water, ocean surveys, fishing and many more applications.

(2): All weather conditions - As referred to in MIL-STD – 810 in terms of rain and snow. The Splash drone is designed and manufactured to withstand a wind up to Beaufort Force 4.

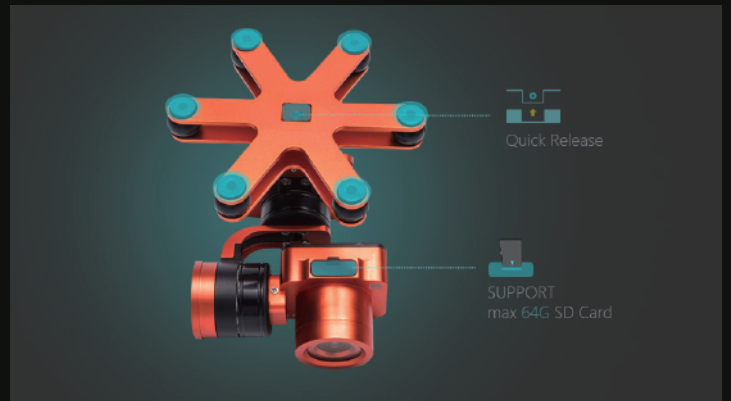


## DURABLE WATERPROOF FRAME

The Splash Drone 3 frame is made of durable 3mm reinforced ABS, to ensure a perfect water seal. It's design makes it submersible for sustained periods of time. All external parts are made of High Quality stainless steel, and the motors are specially coated to ensure maximum resistance to salt water corrosion.

- Reinforced 3mm ABS Fuselage
- Buoyant
- Corrosion-free
- Suitable for All Weather Use
- Custom designed hatch, with a pressure equalization vent for increased barometer accuracy

(1): Waterproof - The Splash drone has been designed and manufactured to be impervious to fresh or salty water, and the effects of rain. Although it will withstand submersion for prolonged periods of time, It is not designed to be operated as a submarine.



## WATERPROOF 4K CAMERA WITH 2-AXIS GIMBAL

Our brand new fully waterproof 4k camera, with an integrated 2 axis gimbal gives you the unique ability to capture smooth and stable videos and pictures while flying in the sky as well as under water. It is just like a tripod in the air, ensuring smooth footage at all times, while the Splash Drone auto is in rapid motion.

# PRODUCT INTRODUCTION



## NEW S3 FLIGHT CONTROLLER

The new and upgraded S3 flight controller is optimized to provide you with safe and reliable flight. It's reprogramming constantly checks for system errors and offers backup to maintain flight safety and stability. The Dual mode GPS uses up to 24 satellites, as well as Glonass for improved accuracy. Its improved shielding is more accurate than ever in all environments. Even if you are beginner, flying the Splash drone auto should be a stress-free experience.



## NEW - 620KV HIGH TORQUE MOTORS AND QUICK ATTACH PROPELLERS

We developed brand new - high efficiency - salt water ready 620kv motors, that provide optimal performance in all situations at sea, on land and in the rain.

- High power and efficient 620kv Motors
- Custom coated and salt water resistant
- The new quick attach mechanism enables secure and fast attachment of the propellers.

New and redesigned 1242 Quick attach carbon fibre propellers provide Splash drone 3 with improved efficiency, better stability and reliability.

# PRODUCT INTRODUCTION



## ALL IN ONE REMOTE CONTROLLER

Because great power and versatility requires great control, we developed a fully integrated remote controller with redesigned controls to maximize ease of use and efficiency and a clear and crisp built-in 5" FPV screen, so you can see the live video and OSD data without any additional equipment.

- Sleek and ergonomic design
- Built in 5inch LCD monitor
- 40 channel diversity receiver

# THE SPLASH DRONE 3





Water Rescue



Fishing

## PAYLOAD RELEASE MECHANISM

The SAR payload release mechanism is an additional module, which increases the Splash drone 3's versatility in many ways. With a 1kg (max) payload capacity, the mechanism can be used to carry a fishing line far away in the sea, or on a lake, and drop the bait at your desired location. More than recreational fishing, it also offers great assistance in water rescue, with fast delivery of essential lifesaving equipment, which is much faster than the conventional methods. Like the camera gimbal, the payload release module can be quickly installed on, or released from the Splash drone 3. It is 100% waterproof, and has a waterproof camera for live video feedback. Objects can be released precisely and simply from a switch on the remote controller.

Quick and Precise Release of 1KG Payloads Long Distance Fishing Bait Dropping Water Rescue Assistance



- Quick and Precise Release of 1KG Payload
- Long Distance Fishing Bait Dropping
- Water Rescue Assistance



## Auto

## Drone

Waterproof Level	Surface Buoyant (short periods up to 600mm)
Drone Weight	2380g (AUTO version)
Axis Diameter	450mm
Max Ascend speed	4m/s
Max descend speed	3m/s
Max flight speed	16m/s
Max Flying altitude	4000meter (above sea level)
Nominal flying wind speeds	a. Typical Maximum = 8m/s (11-16knots)(F4) b. Typical Gusts = 12m/s (22-27Knots) (F6) Peak
Hovering Precision	±1.5meter
Max Flight time (per charge)	16minutes
Max Take off weight	3KG
Positioning System	Dual Satellites - GPS/GLONSS
Flight Controller	Swellpro S3
Waterproof Brushless Motor	#3510/620KV
ESC	40A

## Camera

Waterproof Rating	IP67
Image Sensor	1/2.3" CMOS, 1400M
Lens F.O.V	106° at F2.0
ISO range	100 - 1600
Picture Resolution	14M(4320x3240) 10M(3648x2736) 5M(2592x1944)
Video Resolution	APP control: 1920*1080(30/60p) 1280*720 (30/60p) Remote Control: 2880*2160 24p 2560*1440 30p 1920*1080(30/60p) 1280*720(30/60p)
Max video stream	28000Kbps
Picture Format	JPEG RAW J+R
Video Format	MOV MP4
Supports memory card	Class 10 or UHS-1 and above specifications Micro SD card,maximum support 64GB

## Battery

Battery Type	4S lipo battery for drone/ 2S lipo battery for controller
Capacity	14.8V 5200mAh (Drone) /7.4V 1800mAh (Controller)
Charging Temperature	-10C°~ 40C°

## Gimbal

Waterproof Rating	IP67
Stabilization System	2 axis – Vertical adjust , Tilt correction
Vertical Controllable Range	Tilt -90°to 0, Vertical -20° to 20°
Angle step precision	±0.02°

## Remote Control

Weight	660g
Frequency	2405 ~ 2475HMZ
Range	1.0 KM
Receiver Sensitivity(1%PER)	-105dbm
Working Current	160-300mAh
No. of Channels	10

## FPV Screen

Frequency	5645 ~ 5965HMZ
Screen Size	5inch
Resolution	800X480Pixels
Brightness	500 cd/m <sup>2</sup>

## Fisherman

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### Release Mechanism

Waterproof Level	IP67
Payload Capacity	1KG
Size	150x65x43mm
Weight	170g
Voltage	4.8v - 6.0v
Material	Stainless Steel

### Waterproof Camera

Sensor	1099 1/3"
Pixels	720*576(PAL) 720*487(NTSC)
Resolution	800TVL (720P)
FOV	120°

### Battery

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