

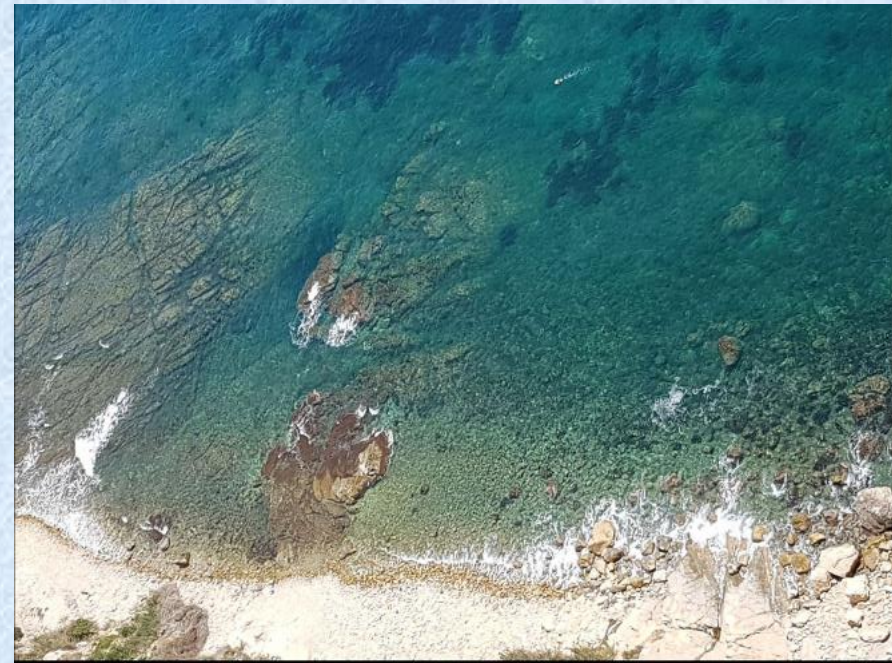
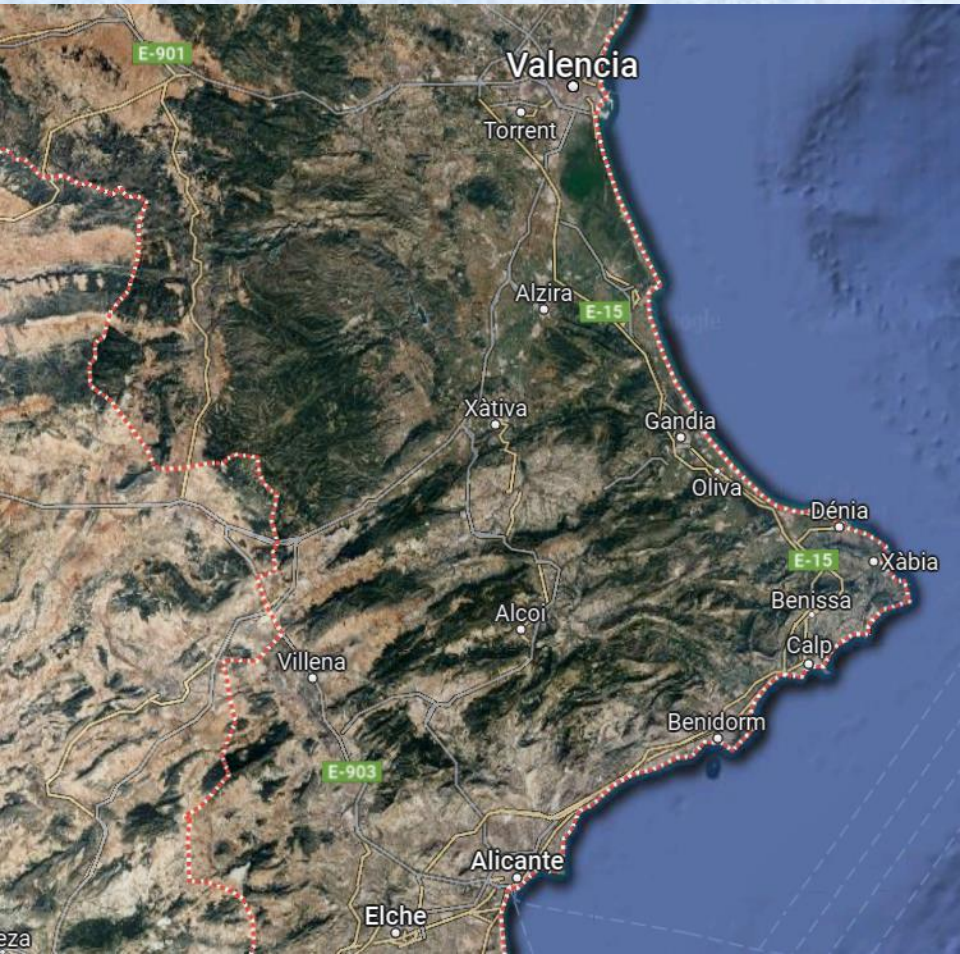
# Aerial and underwater filming

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1. A couple of examples
2. How I got into the drone and underwater photography
3. Describe the drones I use with specific techniques
4. Underwater filming (equipment and some examples)







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Search for Photos



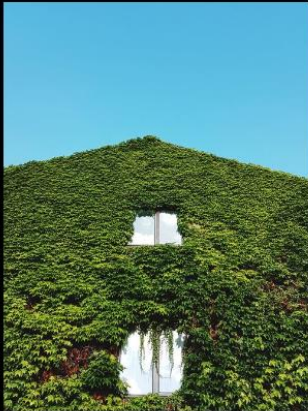
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105 Photos

Illustrations

Earnings

Partner



# Drone filming





The 4K drone comes with 2 intelligent 2500mAh batteries, each running up to 30 minutes.





The drone is equipped with a **1/3" CMOS Sony Sensor** featuring **f/2.2** aperture. It can shoot 12MP photos in JPG and RAW(DNG) formats and 4K HD video at 30fps. The ShakeVanish technology helps to take more stable and smoother images within 118° FOV, a vertical +20° to -90° camera adjustment angle enable you to capture more scenes. The ShakeVanish electronic stabilization tech helps reduce the wobble from the outside, making aerial shooting more stable and smooth.

This GPS drone will **safely auto-fly back** to the take-off point when it's lost signal or is in low power. Features include Follow Me, Waypoint Flight, and Circle Flight.



















The UK's drone rules are based on the risk of the flight – where you fly, the proximity to other people, and the size and weight of your drone.

The rules don't apply if you are flying indoors. Flights within buildings, or within areas where there is no possibility for the drone to escape into the open air (such as a closed netted structure) are not subject to aviation legislation.

The main rules and advice are covered in our [Drone and Model Aircraft Code](#)

Key rules include:

- Never fly more than 120m (400ft) above the surface
- Always keep your drone or model aircraft in sight
- Never fly in an airport's flight restriction zone unless you have permission

## Registration and flyer ID

If your drone has a camera (unless it is a toy) or weighs 250g or more then you need to register with the CAA. You need to renew this registration every year. This is a registration of you as the operator rather than the drone itself.

Anyone flying a drone weighing 250g or more needs to pass a test and get a flyer ID from the CAA. This is free and online. Regardless of whether you legally need a

## 1<sup>st</sup> steps: A mini-drone with propeller guards



Holy Stone HS420 Mini Drone with HD Camera. The mini drone is equipped with a 720P HD FPV camera. Connects to phone via its own app and WiFi link. 2 batteries, each gives 5 min flight.

Lens Angle: FOV 65°

Adjustable Range, manual :-90°~0°

Video / Photo Resolution: HD1280 x 720P

Live View Quality:720P@20fps

An underwater photograph showing the surface of the water at the top, with sunlight filtering through, creating a shimmering, dappled light effect. The water is a deep, clear blue, and the overall scene is serene and calm.

# Underwater filming

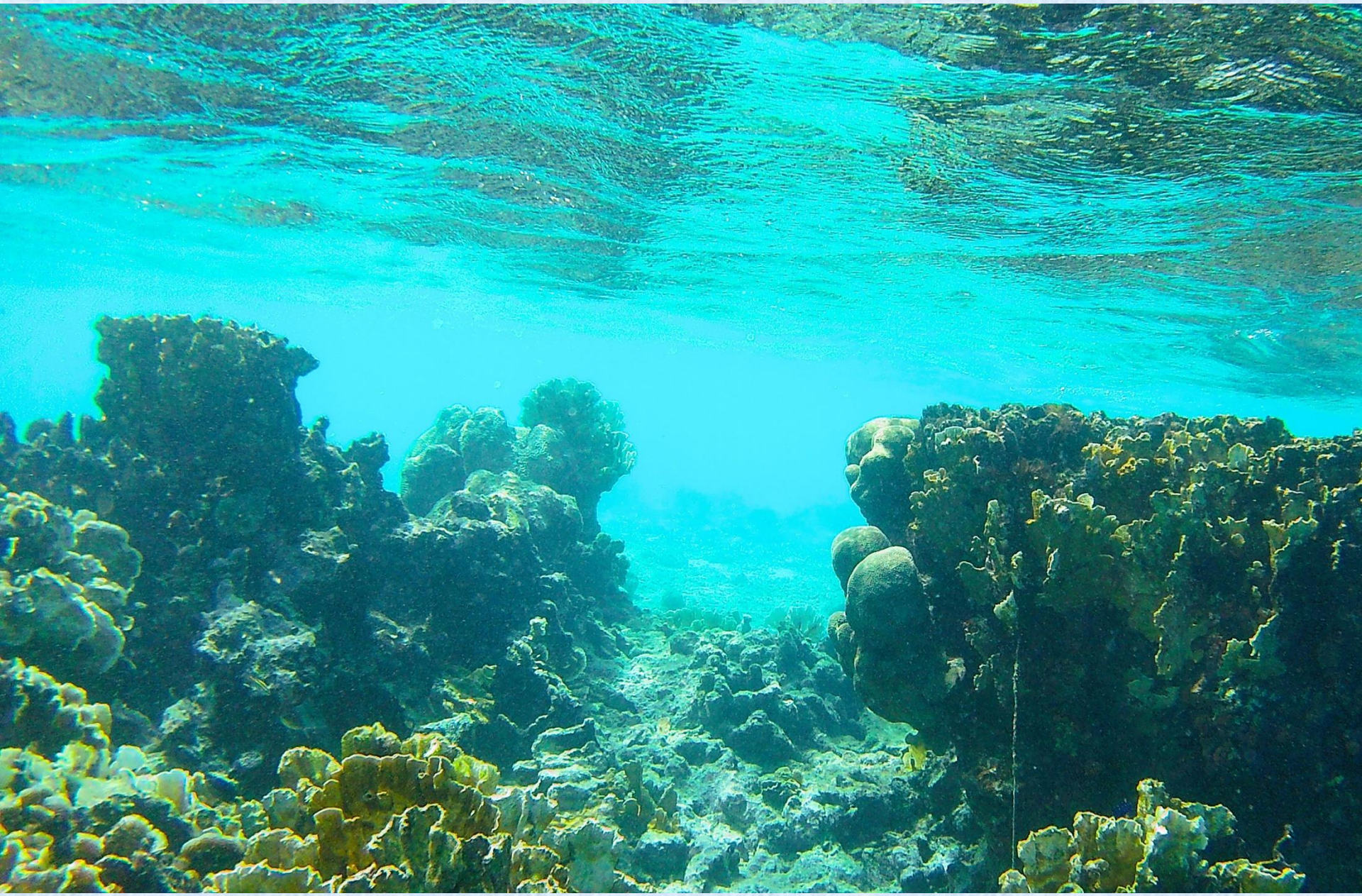
# Location and Camera



# Camera: Akaso EK7000 Pro



2.7K video at 30p; Full HD video at up to 60p; HD video at up to 120p  
20MP max photo resolution  
Electronic Image Stabilisation  
Waterproof to 40m with housing  
2-inch touchscreen







Curious sea turtle:



Curious trunkfish:







The end