

UWACAM App

By Matthias Lebo

Over the course of more than 15 years diving and filming in oceans, lakes, and rivers around the world, I have captured thousands of underwater images and video sequences — from monstrous pelagics to the tiniest macro critters that often go unseen.

I've shot on dedicated cinema cameras in huge housings, mirrorless stills systems, compact cameras, action cams, and, increasingly over the past few years, on smartphones housed in the Divevolk SeaTouch series cases.

My philosophy has always been simple: the best camera is the one you have with you — and with the evolution of smartphone imaging and Divevolk's rugged underwater housings, that camera has become remarkably powerful.

But having the hardware to take your phone underwater is only part of the story. To truly unlock the potential of smartphone imaging beneath the surface, you need software that understands — and compensates for — the unique challenges of the underwater environment. That's where UWACAM comes in. In this article, I want to share in detail how this specialized underwater camera app has helped Divevolk users capture their underwater adventures with better quality, greater ease, and more creative control than ever before.

Underwater imagery presents unique challenges that standard camera apps, even some professional ones, simply weren't designed to handle. Color casts, loss of reds and yellows with depth, fluctuating contrast, and rapid autofocus changes all conspire to degrade underwater content

if the tools aren't built specifically for the medium.

For Divevolk users — whether hobbyists, enthusiast shooters, or seasoned professionals — the need for a dedicated underwater imaging workflow has been clear.

Enter UWACAM, an underwater camera app designed from the ground up by divers for divers for use with Divevolk SeaTouch housings and smartphone imaging. UWACAM was developed in collaboration with photographers and underwater cinematographers, including myself, to address both the ergonomic and technical needs of shooting beneath the surface.

What distinguishes UWACAM from generic camera apps, and even from other advanced camera software like Blackmagic Camera App or Filmic Pro, is its comprehensive focus on underwater image capture coupled with powerful processing, intuitive controls, and modern computational tools.

When you take a smartphone underwater, you are fighting against physics: water absorbs longer wavelengths (reds, oranges) first, leaving your images overwhelmingly blue or green. Standard camera apps — including those with professional features — tend to treat white balance in a generic way that works well in air but often fails to correct underwater color shifts dynamically.

What has made the biggest difference for me in still photography is the UWACOLOR processing. This is an automatic, dynamically adaptive color and contrast enhancement system built into the app that intelligently corrects underwater color



casts either in real time during capture or afterward in postprocessing — directly inside the app. This means photos shot at depth will have far richer, more accurate colors without needing hours of manual grading in external software.

Unlike traditional white balance sliders alone, UWACAM analyzes the image and boosts color fidelity and contrast in a way that is optimized for underwater conditions. It even works with RAW capture on certain smartphones, meaning you can preserve maximum detail and latitude while still benefiting from in-app enhancements. This is a game-changer for underwater photographers who want images that look great straight out of the camera — ideal for social sharing, websites, galleries, or print.

For users transitioning from point-and-shoot to more controlled photography, UWACAM's AUTO Mode offers large, intuitive controls and good default settings that deliver excellent results with minimal fuss. For experienced shooters, the PRO Mode unlocks robust manual controls — exposure, shutter speed, ISO, white balance, bracketing, focus peaking, and zebra highlights — similar to what high-end camera apps and even dedicated camera systems offer.

This dual-mode approach means UWACAM is as accessible to someone taking their first underwater photos as it is powerful for seasoned creatives who want granular control over every parameter.

Video capture underwater is an even greater technical challenge than still photography. Variables like

motion, fluctuating light, backscatter, and frame rate selection require real adaptability from your camera app.

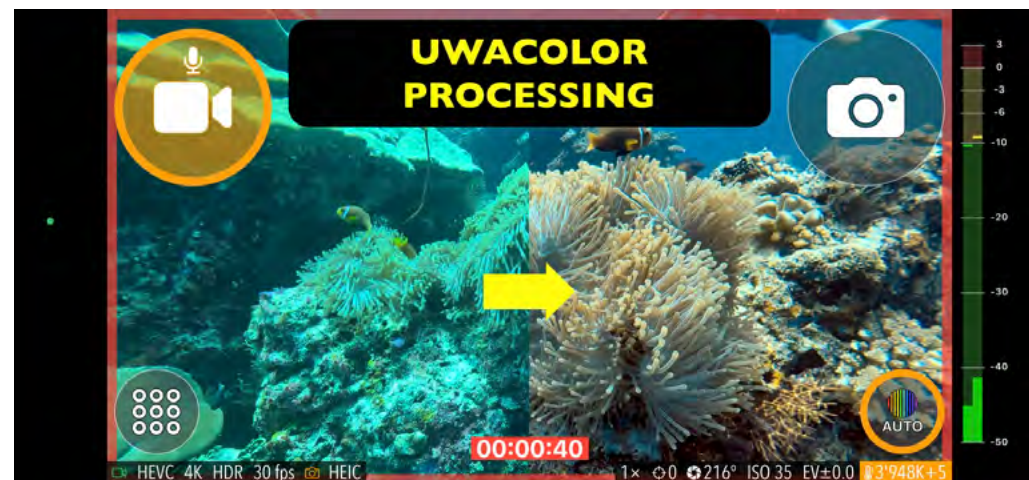
UWACAM approaches video capture with the same seriousness as photo capture:

- Full support for all device resolutions, frame rates, and color spaces, including high frame rate capture and HDR/Rec.2020 on most devices
- LOG recording support (available on selected devices) for advanced color grading in post, giving creators cinematic latitude.
- Built-in LUTs and custom LUT import, so you can preview and apply creative looks natively.
- SMPTE timecode support for professional workflows.

Whether you're shooting slow-motion reef life or fast-moving marine animals, UWACAM keeps video options open — from quick social sharing clips to footage intended for commercial or cinematic use.

The automatic UWACOLOR color processing isn't just for photos — it's available for video too. UWACAM can apply adaptive color and contrast correction in real time as you record or afterward in postprocessing. This reduces the need for extensive manual color correction later and helps your clips look vibrant and true-to-life straight from the timeline.

One exciting innovation that sets



Before and after applying UWACOLOR Processing to an image

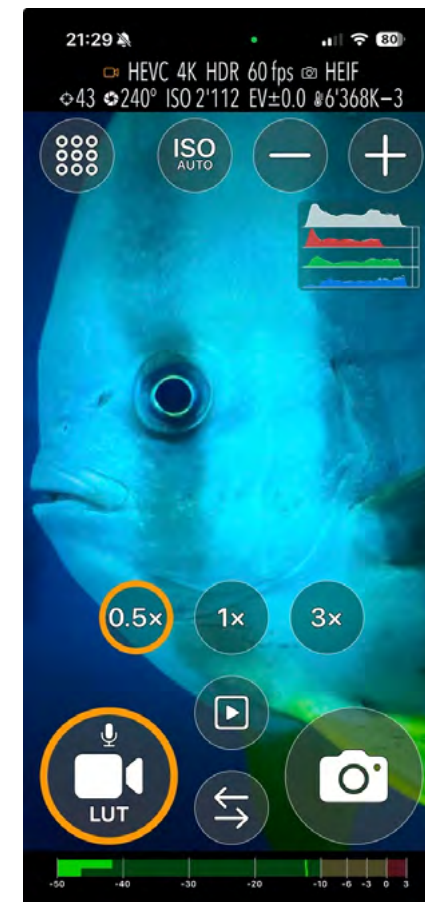


UWACAM in Manual Mode

UWACAM in Pro Mode

UWACAM apart from almost every other camera app is the AI-supported fish and marine life identification feature, powered by Vizalyzer AI.

After a dive, you can analyze your photo and video captures with this AI tool (internet connection required and available to subscribers) to get species names, behaviors, and other contextual information tied to specific marine life seen in your footage. This capability adds a scientific and storytelling dimension to your captures





Divevolk users enjoying the simplicity of capturing beautiful underwater imagery with the help of UWACAM

— turning ordinary dive content into educational and sharable narratives.

For marine biologists, dive guides, educational content creators, and conservationists, this feature transforms UWACAM into a documentation tool as much as a camera app.

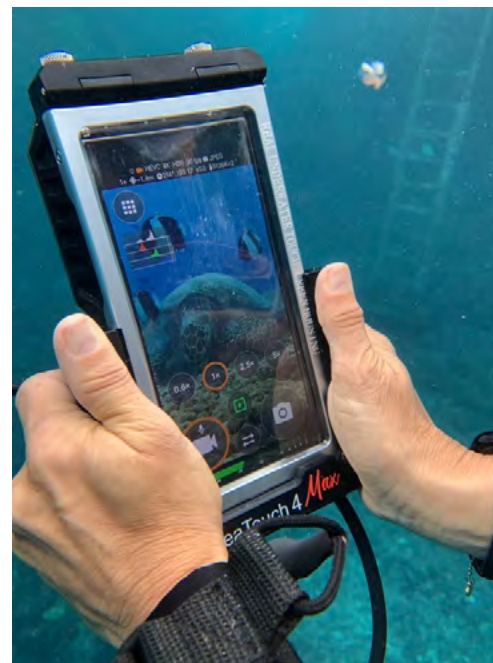
One of the things I appreciate most about UWACAM is that it bridges the gap between beginners and professionals. The AUTO Mode makes it easy for first-time underwater shooters to start capturing compelling imagery without needing an extensive technical background. At the same time, the PRO Mode and advanced features provide seasoned creatives with the depth of control they need for

serious projects — whether for social media, client work, or film production.

I have personally seen Divevolk users transition from being intimidated by underwater cameras to confidently navigating manual settings and producing stunning footage — and UWACAM has played a central role in that journey.

Until recently, UWACAM was available only on iOS. As of 17 January 2026, UWACAM has expanded support to Android devices — a major milestone that opens professional-grade underwater imaging features to a much broader part of the Divevolk community worldwide.

To celebrate this launch, Android users can benefit from a 30%



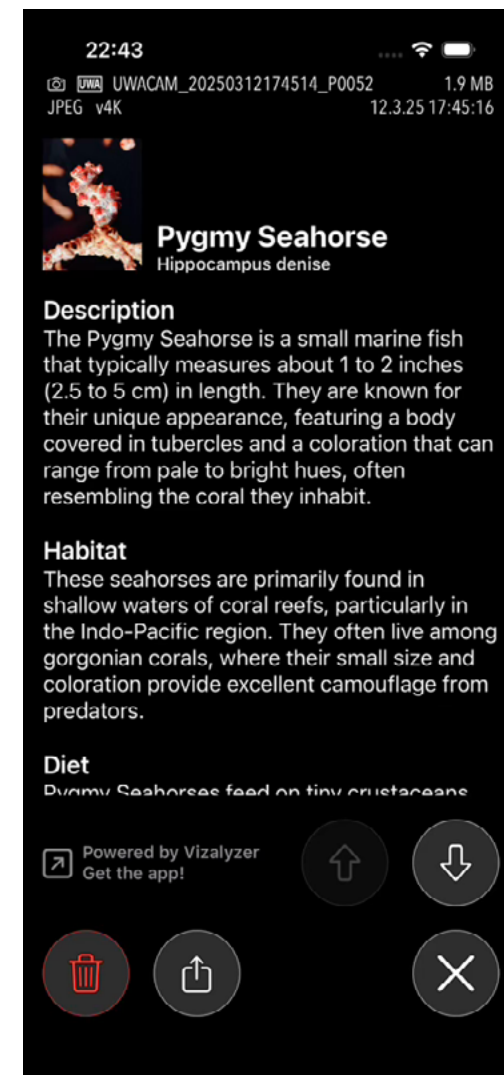
UWACAM being used by a diver on an Android device inside a Divevolk housing

UWACAM's unique Vizalyzer AI

introductory discount on the first 100 yearly subscriptions (use the code DROID30 directly inside the app when subscribing for a yearly plan – limited offer). This is a rare opportunity to access the full suite of UWACAM features at a significantly reduced rate.

Whether you're documenting a once-in-a-lifetime dive, producing content for a client, or simply sharing your love for the ocean with friends and family, UWACAM helps you tell that story in the highest possible quality.

Go out there and capture your



awesome underwater adventures. And let the beauty you find beneath the surface shine like it truly deserves.

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