

ABC

Animal-Borne Camera

The ABC (Animal-Borne Camera) is a compact, stand-alone imaging system designed for animal-borne marine research. Integrated low-impact illumination, onboard recording, and rechargeable battery provide a simple and effective solution for collecting high-quality underwater imagery during field deployments.



Features



Ultra
Compact



200 Meter
Rated



Wifi
Connectivity



1080p / 720p
Mono or Color



Rechargeable
Li-ion Battery

- Built-in lighting solution
- Near IR illumination
- Program autonomous recordings
- Storage options up to 2TB
- Capture up to 10 hours of video
- Low power standby mode
- External magnetic power switch

How It Works

The ABC is configured and charged through its USB-C interface, allowing users to quickly prepare the system for deployment. Once attached to an animal-borne platform, the camera records high-definition video to internal solid-state storage while the integrated near-IR illumination system provides low-impact lighting to minimize species avoidance. Following recovery, recorded data can be downloaded wirelessly via Wi-Fi or directly through the USB-C connection. The rechargeable battery and high-capacity storage options support extended deployments across a wide range of marine research applications.

Specifications

Mechanical

Housing Material	Delrin
Dimensions (LxWxH), in [cm]	4.6 [11.7] x 2.55 [6.5] x 1.48 [3.8]
Weight (air)	0.78 lbs / 356g
Connector	USB-C

Environmental

Depth Rating	200m
Operating Temp	- 10 to + 50 °C

Electrical

Battery	24Wh Li-ion Rechargeable
Storage Options	256GB / 512 GB / 1TB / 2TB
Lighting	Near IR (710nm)

Optical

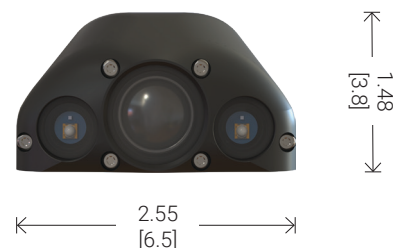
Viewport	Sapphire
Camera	1080p / 720p Monochrome or Color
Lens	1.8mm Focal Length, F/1.6 FOV:130° in air (80° in water)

System

Comms	Wifi / USB-C
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Side View
*Not to Scale
in [cm]



Front View
*Not to Scale
in [cm]