

UNDERWATER DRONES FROM BLUEYE

blueye®

www.blueyerobotics.com

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«We used to need divers for hull inspections which had to be organized some time in advance. With the Blueye ROV we can eliminate all that risk and expenses associated with divers plus save time.»

*Chief Engineer, TechnipFMC
Archie Nicholson*

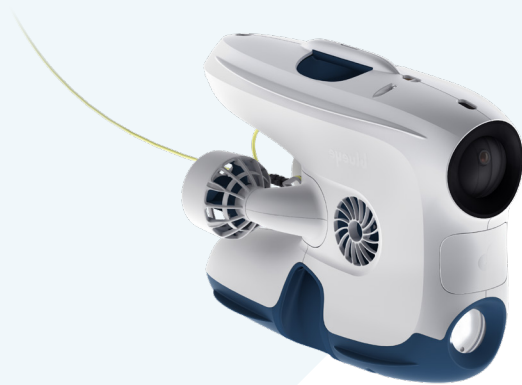
FRictionless ACCESS BELOW THE SURFACE

The Blueye underwater drones are easily connected to iOS or Android devices, and controlled with off-the-shelf controllers via the Blueye app. All software components are upgradeable by the end-user, which allows customers to frequently receive new improvements.

APPLICATIONS IN DIFFERENT INDUSTRIES

Blueye users are professionals previously lacking quick access below the surface and who benefit from frequent underwater inspections.

- Inspect ship hulls, propellers, bio-fouling and perform damage assessments.
- Perform checkups on fish welfare, behavior and fouling on fish-nets.
- General supervision of underwater structures for documentation and preparations.



HD camera
with mechanical tilt



Norwegian design
and CE certified



Continuous
software updates



Premium support
from engineers

TECHNICAL SPECIFICATIONS

- Full HD camera w/tilt
- 3300 lm LED lights
- Up to 1000 ft (305 m) depth rating
- 3 knots forward speed
- 4 powerful thrusters (350 W)
- 2 h operating time
- Operating temperature -5 to +35 °C
- Dimensions 485 x 257 x 354 mm (LxWxH)
- Weight in air 8.6 kg
- Thin and durable tether
- Multiple spectators with the Blueye Dive Buddy app

SUPPORT AND SOFTWARE

Supporting our clients is our top priority. We want to see everyone succeed with their underwater operations.

- Support from engineers within 24 h
- Training courses on site and at the Blueye HQ
- Blueye Help Center: online support database with articles and video tutorials
- Self maintainable products, no service agreement needed.
- Average 98 % satisfaction rate on our support
- Frequent software updates on drones and apps based on client feedback and frequent testing

TECHNICAL SPECIFICATIONS

BLUEYE PRO



Drone

Ingress protection	IPX8
Dimensions	485 x 257 x 354 mm (LxWxH)
Weight in air	8.6 kg (with salt water ballast)
Construction	ABS enclosures, Aluminium pressure enclosures, Polycarbonate (PC) windows
Buoyancy material	HCP 30 Polymer Foam
Maximum rated depth	305 m
Forward speed at normal use	1.5 m/s (3 knots)
Thrusters	4 x 350 W
Run time at normal use	Approx. 2 hours
Operating temperature	-5 to +35 °C

Camera

Mechanical tilt	-30 to +30 °
Vertical field of view	115 °
Sensor	Exmor R CMOS, 1/2.8 inch
Max image size	1920 x 1080 pixels
Shutter speed	1/30 s - 1/8000 s
Picture max resolution	2M (1920 x 1080)
Picture type	JPEG
Video resolution	FHD: 1920 x 1080 25/30 Fps, HD: 1280 x 720 25/30 Fps
Video type	MP4
Video storage bit-rate	2 to 16 MBit/s
SD card	64 GB

LED lights

Luminous flux	3300 Lumen
Colour temperature	5000 K
Colour rendering index (CRI)	90
Adjustable dimming	Yes

Smart Battery Pack

Nominal Voltage	14.8 V
Nominal Capacity	6500 mAh
Nominal Energy	96.2 Wh
Operating temperature	-5 to +35 °C
Charging temperature	+5 to +30 °C

Sensors

IMU	3 axis gyro & accelerometer & magnetometer
Depth sensor	Resolution: 0.2 mbar
Depth sensor operating range	0 to 30 bar
Temperature sensor	+/-1 °C

Tether

Length	From 75 m
Breaking strength	100 kg
Number of cables	1 twisted pair (copper)
Size	26 AWG

Controller

Compatibility	iOS or Android
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Surface Unit

Ingress protection	IP64
Dimensions	38 x 149 x 158 mm (LxWxH)
Operating frequency	2.4 GHz / 5.8 GHz
Max Wi-Fi distance	30 m
Battery	19.48 Wh
Operating temperature	0 to +35 °C
Charging temperature	+10 to +35 °C
Transmitter power	125 mW
Operating voltage	5 - 8.4 V
Output, USB A	5 V, 400 mA
Input, Micro USB	5 V, 2.1 A
Antenna	Dual-band 3dBi RP-SMA Male

Charger

Dimensions	56 x 107 x 64 mm (LxWxH)
Operating temperature	+5 to +30 °C
Operating rel. humidity	20% to 80%
Input	19.5 V, 4 A
Output	16.8 V, 2.5 A

Power supply

Input	100 - 240 V, 3A, 50 - 60 Hz
Output	19.5 V, 11.8 A
Operating temperature	0 to +40 °C
Operating rel. humidity	20% to 80%
Manufacturer	FSP GROUP
Model	FSP230-AJAN3