

# Blueye™ X3 ROV

## Versatile Underwater Observation ROV



### FEATURES

**Automatic heading and depth ensure efficiency in rough underwater conditions**

**Small and versatile system equipped for confined and challenging inspection requirements**

**Battery powered system supports collection of cathodic protection readings and ultrasonic thickness measurements**

# Blueye™ X3 ROV

## Versatile Underwater Observation ROV

Rated for depths of 1,000 ft (305 m), the compact Blueye™ X3 ROV is equipped for tight and challenging inspection requirements. The system enables flexible integration of external equipment with options to use various sensors, manipulators, sonars, and positioning systems. The underwater ROV includes three guest ports to connect peripherals and a high definition (HD) tilt camera with two-hour battery life, depending on subsea conditions. The Blueye™ X3 ROV offers integrated non-destructive testing technique options including HD video and photos for general and close visual inspection, with ultrasonic testing and cathodic protection options. The ROV can be customized with varying lengths of tethers, grippers, a high-capacity battery, external lights and cameras, and a Microsoft Xbox Series X Controller.

## Technical Specifications

Vehicle Specifications	
Weight in air	19 lb / 8.6 kg (with saltwater ballast)
Dimensions (L x W x H)	19.1 x 10.1 x 14 in / 485 x 257 x 354 mm
Maximum Rated Depth	1,000 ft / 305 m
Vehicle Power and Performance	
Forward speed at normal use	4.9 ft/s   1.5 m/s (3 knots)
Thrusters	4x 350 W
Run time at normal use	Approx. 2 hr
Operating temperature	23 to 95°F / -5 to 35°C
Smart Battery Pack—nominal voltage	14.8 V
Guest Port 1	
Power	5 V (2.1A shared), BAT (7A), 20 V (2A shared)
Protocols	Ethernet 10/100 Base-T/TX, RS232 (or RS485/RS422), I2C, PWM, UART
Vehicle Cameras, Video, and Lighting	
Camera	
Mechanical tilt	-30 to 30°
Vertical field of view	115°
Video	
Video type	MP4
Video storage bitrate	2 to 16 MBit/s
SD card	256 GB
LED Lights	
Luminous flux	3300 Lumen
Color temperature	5000 K

Color rendering index (CRI)	90
Adjustable dimming	Yes

Vehicle Control and Navigation	
IMU	3 axis gyro, accelerometer, and magnetometer
Depth sensor	Resolution: 0.2 mbar
Depth sensor operating range	0 to 30 bar
Temperature sensor	±33.8°F / ±1°C
Compatibility	iOS or Android

Tether Management System (TMS)	
Tether length	492.1 ft / 150 m
Breaking strength	220 lb / 100 kg
Number of cables	1 twisted pair (copper)
Size	26 AWG



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