

# TECHNICAL SPECIFICATIONS



## DRONE

<b>Hull design</b>	Hydrodynamic and hydrobalanced hull for stability and performance in ocean conditions. Ruggedized exterior for impact resistance.
<b>Pressure rating</b>	150 m.
<b>Weight</b>	Less than 9 kg.
<b>Speed</b>	2 m/s (4 knots).
<b>Run-time</b>	2 hrs normal operation.
<b>Thrusters</b>	4 powerful thrusters, 4 x 350 W. 2 rear, 1 vertical center, 1 lateral. User replaceable
<b>Automation</b>	Auto heading. Auto depth.
<b>Camera</b>	Light sensitive Full HD 1080p/30fps, wide angle lens.
<b>Search light</b>	Powerful 3300 lumen LED below camera. Fittings for extra lights as payload.
<b>Sensor</b>	Inertial Measurement Unit (IMU) with 3-axis gyro and 3-axis accelerometer. Depth sensor. Magnetometer (compass). Temperature (inside and outside). Internal pressure sensor
<b>Payload</b>	Standard fittings for payload on both top and bottom side of drone.
<b>Software</b>	Remote update of firmware on both Pioneer and Wireless Surface Unit.
<b>Storage capacity</b>	64 GB.
<b>Battery</b>	99Wh lithium ion smart battery. User replaceable.



## WIRELESS SURFACE UNIT (WSU)

<b>Wireless transmitter</b>	Wifi router for wireless connection to smartphones or tablets. USB port for attachment of ethernet adapter for wired connection in difficult wireless environment
<b>Wireless range</b>	Range depending on environment. At least 15 m in open area
<b>Cable</b>	75 m thin and strong cable optimized for use with ocean drones. Cable is replaceable for easy handling and upgrade.

## BLUEYE APP

<b>App</b>	App for android/iOS smartphone/tablet. Setup & control drone, manage and download dive data and video recordings
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## OTHER

<b>Charger</b>	Quick charger with three USB ports for charging drone, WSU and drone controller.
<b>Controller</b>	Wireless drone controller for iOS and Android smartphones and tablets.