

# BR-ROV Sonar ROV Side Scan Sonar

## Main Features

- Low cost
- Low power consumption
- Small physical size
- Plug and play
- Digital chirp technology
- DeepView LT software included

The DeepVision BR-ROV side scan sonar is specifically developed to be used on the Blue Robotics BlueROV. It is a slimmed down version of the DeepVision ROV sonar that matches the price range of the BlueROV.

The BR-ROV sonar consists of two parts, the sonar box and transducers and the power switch. The sonar box and transducers are mounted on the outside of the ROV and are delivered with a moulded penetrator and a connector for fast integration. The power switch is delivered with mounting brackets and an ethernet cable. The power switch plugs in to the power of the BlueRov and is connected in series between the Fathom-X module and the Raspberry Pi.

When the cables are connected and the BlueROV is powered, the sonar will automatically be detected by the DeepView LT software and the system is ready to use.

The BR-ROV sonar transducers are using a frequency of 680 kHz to capture high resolution images and operates down to 100 meters depth. The stability of the BlueROV platform allows for a maximum range of 50 meters per side, a total of 100 meter swath.



Sonar model	BR-ROV
Technology	Chirp Digital
Supply voltage	11V to 48V
Power consumption	200 mA @ 12 V (approximate average)
Frequency	680 kHz
Maximum range	50 m (100 m swath) 164 feet (328 feet swath)
Horizontal beamwidth	0.7°
Vertical beamwidth	60°
Resolution (Frequency and transducer dependent)	Down to 1 cm Down to 0.39 inch
Max operating depth	100 m 328 feet
Weight	0.9 kg (in air) 0.5 kg (in water)
Interface	10/100 Mbit Ethernet, GND, Supply

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