

# OSMEthernet OEM Sonar Module

## Main Features

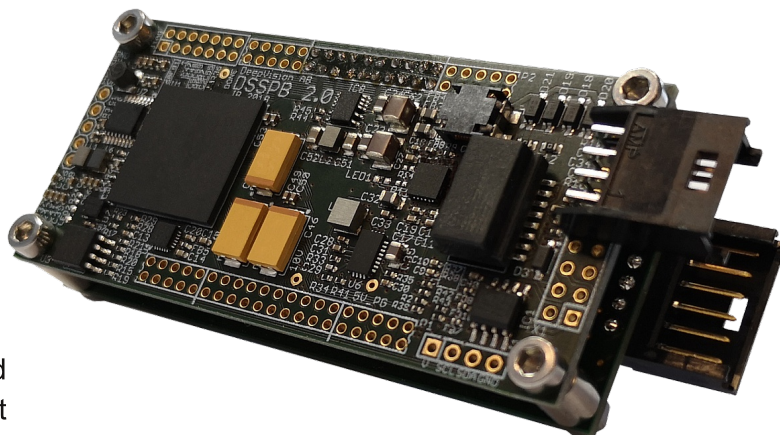
- Very low power consumption
- Wide input voltage range
- Very small physical size
- Easy to integrate and use
- Digital chirp technology
- Wide frequency range
- Software API included

The OSMEthernet is our latest flexible and powerful dual channel OEM sonar module. It has a very wide frequency range of 50 kHz to 1200 kHz and uses the DeepVision state of the art Digital Sonar Signal Processor, DSSP. The DSSP is a high performance parallel processing unit which allows the OSMEthernet to use Chirp pulsing and pulse compression to capture crystal clear sonar images.

The unit can be used in a wide variety of applications, such as side scan sonars, high performance fishfinders, depth sounders, commercial fishing sonars, scanning SONARs, AUV navigation systems, etc.

The OSMEthernet can easily be integrated into any network using DHCP or fixed IP. The typical power consumption is approximately 150mA @ 12V during operation.

The OSMEthernet can be interfaced with the powerful DeepView software, either offline for post processing purposes, or online for configuration of the OSMEthernet and live display of sonar images.



Sonar model	OSMEthernet
Technology	Chirp Digital
Supply voltage	11V to 48V
Power consumption	150 mA @ 12 V (approximate average)
Frequency	Dual 50 kHz to 1200 kHz
Resolution (Frequency and transducer dependent)	Down to 1 cm Down to 0.39 inch
Max operating depth if potted	100 m 328 feet
Interface	10/100 Mbit Ethernet, GND, Supply
Length	80 mm + Connector 3.15 inch + Connector
Height	30 mm 1.18 inch
Width	37 mm 1.46 inch
Weight	50 g 1.76 oz

The OSMEthernet can be ordered potted if it is to be mounted externally on a ROV or AUV. The potted OSMEthernet operates down to 100 m depth.

At DeepVision we design and manufacture custom sonar transceivers on request. Please contact us for more information.

## DeepVision

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