

# OCULUS C550D DUAL-FREQUENCY MULTIBEAM IMAGING SONAR

SKU: BPS-OCU-C550D

Entry level, dual-frequency collision avoidance sonar in a rugged form factor. Depth rating down to 500 meters.

**Supplier:** Blueprint Subsea



## TECHNICAL SPECIFICATIONS

### Mechanical

<b>Dimensions</b>	122 mm (L) x 122 mm (W) x 62 mm (H)
<b>Construction</b>	Anodised Aluminium
<b>Weight</b>	980 g (Air), 360 g (Water)
<b>Depth Rating</b>	500 m
<b>Temp. Range (operating)</b>	-5°C up to +35°C
<b>Temp. Range (Storage)</b>	-20°C up to +50°C

### Performance

<b>Operating Frequency</b>	550 kHz / 820 kHz
<b>Range (maximum)</b>	100 m / 30 m
<b>Range (minimum)</b>	0.2 m
<b>Range Resolution</b>	8 mm / 5 mm
<b>Update Rate (maximum)</b>	40 Hz
<b>Horizontal Aperture</b>	120° / 90°

<b>Vertical Aperture</b>	20° / 20°
<b>Number of Beams (maximum)</b>	256
<b>Angular Resolution</b>	1° / 0.6°
<b>Beam Separation</b>	2.24° / 1.5°

### ***Electrical***

<b>Connector</b>	Impulse IE55 Series, 6-way
<b>Communications</b>	4-wire 100-BaseT Ethernet 2-wire DSL extender module
<b>Supply Voltage</b>	12 V to 32 V DC non-isolated
<b>Power Consumption</b>	10 W to 35 W (model and range dependent)