

# CPC430 OCULUS



## CUSTOM MULTIBEAM IMAGING SONAR



Oculus Multibeam Imaging SONARs are a new generation of compact imaging sonar, designed for use across a wide variety of underwater applications. Their small form factor makes them ideally suited for deployment from micro-sized platforms, while their rugged construction also makes them an excellent choice for work-class vehicles and subsea infrastructure.

Now available as a custom model for the US Navy, the CPC430 dual-frequency imaging sonar features a narrower vertical aperture that improves target identification at longer ranges. The 12 degree vertical aperture transmitter on the low-frequency mode of the sonar, enables clear and crisp sonar imagery at ranges up to 120 meters. In high-frequency or classification mode, the 20 degree vertical aperture transmitter can classify targets at ranges up to 40 meters.



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# An Oculus to Suit Every Task

Do you need different ranges or frequencies? No problem!

M370s single frequency (375kHz) 200m range capability

M750d dual-frequency (750kHz/1.2MHz) 120m range and 40m in target ID mode

M1200d dual-frequency (1.2MHz/2.1MHz) 40m range and 10m range in target ID mode

NEW!!! M3000d dual-frequency (2.1MHz/3.2MHz) with 10m range and extremely high level of detail

All sonars available in 500m, 1000m, and 3000m housings.

## PRODUCT SPECIFICATION

<b>Operating Frequency</b>	750kHz / 1.2 MHz
<b>Range (Maximum)</b>	120m / 40m
<b>Range (Minimum)</b>	0.1m
<b>Range Resolution</b>	4mm / 2.5mm
<b>Update Rate (Max.)</b>	40 Hz
<b>Horizontal Aperture</b>	130° / 130°
<b>Vertical Aperture</b>	12° / 20°
<b>Number of Beams (Max.)</b>	512
<b>Angular Resolution</b>	1° / 0.6°
<b>Beam Separation</b>	0.25° / 0.25°
<b>Connector</b>	Impulse IE55 Series, 6 Way
<b>Communications</b>	4-Wire 100-BaseT Ethernet
<b>Supply Voltage</b>	12V to 36V DC
<b>Power Consumption</b>	10W to 35W
<b>Integrated Sensors</b>	Water Pressure and Temperature

