

# ISS360 SONAR

SKU: ISS-SON-360

The world's most compact imaging sonar, integrated with Blueye X3.

The ISS360 Imaging Sonar provides excellent image clarity with a range capability of up to 90 meters / 295 feet. As a very compact imaging sonar, the ISS360 is ideal for navigation, obstacle avoidance, and target identification sonar.

**Supplier:** Impact Subsea



## TECHNICAL SPECIFICATIONS

### Physical

<b>Weight</b>	0.38 / 0.3 kg (air / freshwater)
<b>Depth Rating</b>	4000 m
<b>Temperature</b>	-10 to 40° operating -20 to 60° storage

### Acoustic

<b>Frequency</b>	700kHz Centre 650 to 750kHz Standard Bandwidth
<b>Range</b>	0.15 to 90 meters
<b>Range Resolution</b>	7.5mm (100kHz CHIRP)
<b>Beam Angle</b>	23° Vertical at 700kHz 2.2° Horizontal at 700kHz
<b>Signaling</b>	CHIRP & CW (selectable)
<b>Step Size</b>	0.225°, 0.45°, 0.9°, 1.8°, 3.6° & 7.2° (selectable)
<b>Scan Angle</b>	360° Continuous or Sector Scan

## Communication & Power

<b>Digital</b>	RS232, RS485 & Ethernet
<b>Protocol</b>	9600 to 115,200 bau
<b>Input Voltage</b>	12 to 65V DC
<b>Power</b>	110mA @ 24V DC standby 150mA @ 24V DC scanning

## Heading

<b>Accuracy</b>	$\pm 3^\circ$
<b>Resolution</b>	$0.1^\circ$

## Attitude

<b>Pitch</b>	$\pm 90^\circ$
<b>Roll</b>	$\pm 180^\circ$
<b>Accuracy</b>	$0.2^\circ$
<b>Resolution</b>	$0.2^\circ$