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

Compatibility

Compatible ROV models	X3, X3 Ultra, X7

Physical

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

Acoustic

Frequency	700kHz Centre 650 to 750kHz Standard Bandwidth
Range	0.15 to 90 meters
Range Resolution	7.5mm (100kHz CHIRP)
Beam Angle	23° Vertical at 700kHz 2.2° Horizontal at 700kHz
Signaling	CHIRP & CW (selectable)

Step Size	0.225°, 0.45°, 0.9°, 1.8°, 3.6° & 7.2° (selectable)
Scan Angle	360° Continuous or Sector Scan

Communication & Power

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

Heading

Accuracy	± 3°
Resolution	0.1°

Attitude

Pitch	± 90°
Roll	± 180°
Accuracy	0.2°
Resolution	0.2°