

ISS360HD

High performance imaging sonar



Impact Subsea are proud to present the high resolution imaging sonar - the ISS360HD. Optionally available with integrated Pitch & Roll.

Utilising a broadband composite transducer together with an advanced digital acoustic engine provides excellent range capability and image clarity. For applications where Sonar Imaging, Pitch & Roll are required; all can be provided from a single device.

The use of Compressed High Intensity Radar Pulse (CHIRP) acoustic signalling enables a significant increase in range resolution while maintaining an excellent range capability.

Specifications

Product	ISS360HD High performance imaging sonar
Country of origin	UK
Manufacturer	Impact Subsea

Acoustic

Frequency	750kHz Centre 600 to 900kHz Bandwidth
Range	0.45 to 100 meters
Accuracy	1mm
Scan Angle	360° Continuous or Sector Scan
Beam Angle	30° Vertical at 700kHz 1° Horizontal at 700kHz
Signalling selectable	CHIRP & CW
Step size selectable	0.225°, 0.45°, 0.9°, 1.8°, 3.6° & 7.2°

Physical

Depth rating	6,000m
Temperature	-10 to 40°C Operating -20 to 60°C Storage
Connector	Subconn MCBH8M-SS Other options available
Weight air/fresh water	0.76/0.3kg

Attitude

Pitch	± 90°
Roll	± 180°
Accuracy	0.2°
Resolution	0.1°

Comms & power

Digital	RS232, RS485 & Ethernet
Protocol	9600 to 115,200 baud
Input Voltage	12 to 65V DC
Power standby	84mA @ 24V DC
Power scanning	261mA @ 24V DC

