

CHIRP Sidescan Sonar System



Falmouth Scientific, Inc. (FSI) has reached into its well of experience and knowledge to develop the HMS-624 digital CHIRP sidescan sonar system offering dual simultaneous 100/400KHz frequency operation. The HMS-624 provides imaging capabilities for deep and shallow water applications. The towfish electronics incorporate FSI's CHIRPceiver 24-bit CHIRP signal processing, which results in very-high-resolution sidescan data at towing depths of up to 2,000 metres.

The Topside Power/Data Multiplexer Interface is packaged in a standard 2U 19" rack mount enclosure and provides a 4Mb/s DSL connection for the towfish and a standard Ethernet connection for the data processing computer. The system uses a flexible control interface that allows the user to set operating parameters such as CHIRP/CW modes,

pulse length, range, and gain. The system is compatible with third-party software packages such as OIC GeoDAS, Triton ISIS and others.

The HMS-624 rounds out FSI's CHIRPceiver family of side scan, [sub-bottom](#), and combined sonar systems. They are released to full production status and are available to help you accomplish your marine surveys efficiently and cost effectively.