



EV860 NAVIGATION SONAR

Critical obstacle detection up to 360° around the vessel

Ice, rocks, reefs and other obstacles pose a serious hazard to any vessel.

Underwater obstacles cannot be detected with radar or visually, only a sonar can do that. Detecting those underwater objects far out in front of the vessel allow for advanced corrective action to avoid catastrophic collisions.

The WESMAR EV860 navigation sonar can be set by the user to scan any sector from 11° to 360° around the vessel. The sector can be oriented in any direction with the simple turn of a knob on the control panel.

The EV860 is equipped with a very robust hydraulic hoist that can deploy or retract the soundome in only 5 seconds.

WESMAR sonars have a highly focused soundbeam that allows for detection of objects that would be otherwise difficult or impossible to detect.

WESMAR has added a new feature to its EV860 sonar to enhance its usefulness in navigation assistance. A portion of the 110 kHz transducer is used to create a wide sound beam which scans hundreds of meters in front of the vessel to identify the composition of the bottom which permits the captain to steer the vessel towards desirable areas for anchoring and to avoid bottom features such as reefs which could damage the vessel or themselves be damaged by the ship or its anchor and chain.

"The WESMAR worked flawlessly when navigating the channels into the harbor, and the picture on the sonar screen looked good"

— Jorg Walczak,
Captain of the 407-foot cruise ship
M/V Ocean Diamond



HD860 Available with electric (left) or hydraulic (right) hoist, and a 10-inch stabilized soundome.



Research vessel with icebergs in forward view.



Sonar view spotlighting icebergs surrounding vessel

