

# ECHO 81

YOUR SUBSEA SOLUTIONS SPECIALIST



**POS MV**  
**SURFMASTER**  
**WAVEMASTER**  
**OCEANMASTER**

POS MV is a user-friendly, high performing, turnkey inertial navigation system designed and built to provide accurate attitude, heading, heave, position, and velocity data of your marine vessel and onboard sensors.

POS MV is proven in all conditions, and is the georeferencing and motion compensation solution of choice for the hydrographic professional.

## Key Features

### ALL MODELS

- IN-Fusion 2.0 ensures optimal GNSS aiding for any given condition
- True-Heave™ removes the need to tune your filter settings for specific heave conditions, so no run-in time required
- High accuracy inertial measurement units feature SmartCal self-calibration technology
- Data time tagged to microsecond accuracy

### SURFMASTER

- Up to 0.03° roll and pitch performance
- Robust positioning up to 30 seconds with GPS dropouts
- Best for low dynamic operations (lakes, streams, and other inland protected waters)

### WAVEMASTER

- Up to 0.02° roll and pitch performance
- Robust positioning up to 1 minute with GPS dropouts
- Best for most hydrographic survey applications (dredging, nearshore surveying, etc.)

### OCEANMASTER

- Up to 0.01° roll and pitch performance
- Robust positioning over 1 minute with GPS dropouts
- Best for all size vessels and high dynamic operations (ASV ops, offshore surveying, etc.)

## Configurations



Rackmount Topside  
with Deck Mount IMU (RM)



Rackmount Topside  
with Submersible IMU (RM IP68)



Small Form Factor Topside  
with Deck Mount IMU (SFF)



Small Form Factor Topside  
with Submersible IMU (SFF IP68)

