

Technical Specifications	
Display System	High-resolution, multi-touch screens with customizable layouts.
Radar Integration	Supports X-band and S-band radar for short- and long-range navigation.
ECDIS	Fully compliant with IMO standards; route planning and real-time updates.
Voyage Data Recorder (VDR)	IMO-compliant VDR for recording navigational and operational data.
Communication Systems	VHF, MF/HF, SATCOM, GMDSS, and onboard PA systems.
Sensor Compatibility	GPS, AIS, gyrocompass, speed logs, depth sounders, and weather sensors.
Data Logging & Replay	Logs all navigational and system activity for up to 12 months.
Alarm Management	Centralized system with tiered priority alerts for operator awareness.
Energy Efficiency Management	Tracks fuel consumption and optimizes energy use for reduced costs.
Redundancy	Fail-safe architecture with backup systems for critical operations.
Data Integration Latency	< 100 ms for seamless real-time system response.
Compliance Standards	IMO and IEC standards for safety and performance.