



OPV-90 Offshore Patrol Vessel

Missions

Primary Missions

- Operating in tropical environment and conducting border patrols, territorial defense and maritime operations up to the Exclusive Economic Zone (EEZ)
- Intelligence, Surveillance and Reconnaissance (ISR) Operations
- Maritime Security Operation (Anti-piracy, anti-terrorism, anti-smuggling, anti-human trafficking and anti-drug operations)
- Anti-Surface Warfare and Anti-Air Warfare
- Provide Naval Surface Fire Support (NSFS)
- Capable of Helicopter Operations and can accommodate any 10-ton helicopter at the Heli-deck
- Capable of launching and recovering RHIB for Special Operations, VBSS and ship-to-shore movement
- Critical Infrastructure Protection

Secondary Missions

- Complement Surface Combatants during Naval Operations
- Undertake Humanitarian Assistance and Disaster Response missions and Search and Rescue missions
- Enforce applicable maritime laws within the territorial seas
- Support Naval Air and Special Forces Operations
- Capable of launching and recovering UAS for sustained Maritime Surveillance
- Fishery Protection

General Specifications

General Information

LOA	: 90 m
Beam	: 14.2 m
Draft	: 3.7 m
Displacement	: 1.900 tons

Performance

Speed	: 22/15 kts
Range	: 3.500 NM

Accommodation

Crew	: 53 - 73
Mission Personnel	: 10

Systems Configuration

Propulsion System

Propulsion

- Diesel Engines+
- Gear box+
- Shaft+CPP
- 2 x Marine
- Diesel Engines

Navigation Systems

- X-Band Navigation Radar
- 2 x Fiber Optic INS
- WECDIS, DGPS
- Echo Sounder
- EM Log
- Ship Data Distribution System

Combat Systems

Weapons

- Compact Version*
- 1 x 40 mm Twin Gun, 1 x 30 mm Gun, 2 x 12.7 mm STAMP, Decoy Launching System
- Medium Version*
- 1 x 76 mm Gun, 1 x 30 mm Gun, 2 x 12.7 mm STAMP, Decoy Launching System
- Full Version*
- 1 x 76 mm Gun, 1 x 30 mm Gun, 2 x 12.7 mm STAMP, 2 x 2 SSM, 2 x 4 VLS SAM, Decoy Launching System

Sensors

- 3D Surveillance Radar, LPI Radar
- Fire Control Radar with E/O, EOD
- IFF, WAIS, R-ESM, Meteorological Sensors

Communication

- HF, UHF and VHF Military Communications
- SATCOM, Military Link System