



# **OPV** **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

<b>Length</b>	: 90 m
<b>Beam max</b>	: 14.2 m
<b>Draught</b>	: 3.7 m
<b>Displacement</b>	: 2.300 tonnes

### Performance

<b>Speed</b>	: 22/15 knots
<b>Range</b>	: 3.500 nm

### Accommodation

<b>Crew</b>	: 53 - 73 Crew Members
<b>Experts</b>	: 10 SEAL

# Technology & Combat Systems

### Propulsion & Energy Systems

<b>Propulsion</b>	: Diesel Engines+ Gear box+ Shaft+CPP
<b>Engines</b>	: 2 x Marine Diesel Engines

### Navigation

<b>Nautical</b>	: X-Band Navigation Radar
<b>Eqp</b>	2xFiber Optic INS WECDIS, DGPS Echo Sounder EM Log Ship Data Distribution System Meteorological Sensors

### Weapon & Sensor Suite

<b>Weapons: Compact version</b>	1x40 mm Twin Gun, 1x30 mm Gun 2x12.7 mm STAMP, CHAFF/IR Decoy
<b>Medium version</b>	1x76 mm Gun, 1x30 mm Gun 2x12.7 mm STAMP, CHAFF/IR Decoy
<b>Full version</b>	1x76 mm Gun, 1x30 mm Gun 2x12.7 mm STAMP, 2 x 2 SSM 2 x 4 VLS SAM, CHAFF/IR Decoy
<b>Sensors</b>	: 3D Surveillance Radar, LPI Radar Fire Control Radar with E/O, EOD IFF, WAIS, ESM
<b>Communication:</b>	HF, UHF and VHF Military Communications SATCOM, SART, EPIRB Military Link System, CCTV