



Commander, Naval Surface Force, Atlantic

www.cns1.surfor.navy.mil

U.S. NAVY



USS Carney (DDG 64)

Guided Missile Destroyer

Homeport: Mayport, Florida

www.carney.navy.mil



The mission of USS Carney (DDG 64) is to conduct prompt, sustained combat operation at sea, in support of U.S. national policy. She is equipped to operate in a high density, multi-threat environment as an integral member of a carrier battle group, surface action group of underway replenishment group. In addition to her own self defense capabilities in air warfare (AW), undersea warfare (USW) and surface warfare (SW), Carney can effectively provide local area protection to the battle group, surface action group and other ships. Carney is equipped with the world's most sophisticated weapon system. She has an AN/SPY-1D phased array radar, which incorporates significant advances in the detection capabilities of the AEGIS Weapons System, particularly in its resistance to enemy electronic countermeasures (ECM). Using the SPY-1D and her Mark 99 Fire Control System, Carney can guide her vertically launched Standard Missiles to intercept hostile aircraft and missiles at extended ranges. To provide point defense against hostile air targets, Carney is equipped with the Phalanx Close In Weapons System (CIWS).

Carney is also equipped with the Navy's latest ASUW Combat Systems. Land attack cruise missile capability is provided by Tomahawk missiles, which are launched from her Mark 41 Vertical Launching System (VLS). Her shorter range Harpoon anti-ship cruise missiles have a range in excess of 65 nautical miles. The 5"/54 caliber gun, in conjunction with the Mark 34 Gun Weapon System, is an anti-ship weapon which can also be used for close-in air contacts or to support forces ashore with Naval Gunfire Support (NFGS). Finally, Carney's AN/SQQ-89 integrated ASW suite is the most advanced anti-submarine warfare system in the world today. The AN/SQR-19 Tactical Towed Array Sonar (TACTAS) provides extremely long range passive detection of enemy submarines and the AN/SQS-53C hull-mounted sonar is used to actively and passively detect and localize submarine contacts. Carney also has the capability to land the SH-60B LAMPS Mark III helicopter which can link to the ship for support in the anti-submarine operations, as well as conducting over-the-horizon targeting missions. Six MK32 torpedo tubes round out the anti-submarine package of Carney. These systems are supplemented by the SLQ-32V(2) Electronic Warfare Suite, which includes passive detection systems and decoy countermeasures.

Powered by four quick-response General Electric LM-2500 Gas Turbine Engines coupled to two controllable, reversible pitch (CRP) propellers, Carney has tremendous maneuverability and a top speed in excess of 30 knots. Her expert engineers also provide the ship with electricity, fresh water, heating and air conditioning facilities.

Carney matches maximum survivability with her potent offensive capability. In the Arleigh Burke Class, all-steel construction is used. Extensive top-side armor is placed around vital combat systems and machinery spaces, and a new large-waterplane area hull form significantly improves seakeeping ability. Acoustic, infrared and radar signatures have been reduced, and vital shipboard systems are hardened against electro-magnetic pulse and over-pressure damage. A comprehensive Collective Protection System guards against nuclear, chemical or biological events. State-of-the-art propulsion and damage control systems are managed by an all-new data multi-plexing system.

Home to a crew of over 330, Carney has most services associated with a small town at sea, including dining, banking, ATM, laundry, post office and shopping facilities, over 10,000 line items of spare parts, and a barber shop. A marvel of modern

SHIP'S SPECIFICATIONS:

GENERAL

Length - 505 ft.
Beam (Maximum)- 66 ft.
Speed: 30+ knots
Draft (Navigational)- 31 ft.
Displacement- 8,315 tons
Complement-28 officers/348 enlisted

SENSORS

AN/SPY-1B(V) Multi-Function Radar
AN/SPS-49(V) 7 Air Search Radar
AN/SPS-73 Surface Search Radar
AN/SPQ-9 Gunfire Control Radar
4 AN/SPQ-62 Illuminators
AN/SQS-53C Hull Mounted Radar
AN/SQR-19B Towed Array Sonar
AN/SLQ-32A(V) 3 Electronic Warfare Suite
AN/SQQ-89(V) 6 ASW Combat System

WEAPONS

MK 7 MOD 7 AEGIS Weapon System
2 MK 45 5"/54 Caliber Gun Mounts
2 MK 41 Vertical Launching Systems
2 Harpoon Missile Quad-Canister Launchers
2 MK 32 MOD 14 Three-Barreled Torpedo Tube Mounts
2 MK 15 MOD 12 Phalanx Close-In Weapons Systems

ENGINEERING

Propulsion: 4 LM2500 Gas Turbine
Engines:80,000 Shaft Horsepower,
2 Controllable Reversible Pitch
Propellers, 2 Rudders

Electrical:
Services:

AIRCRAFT

2 SH-60B LAMPS MK III Helicopters

Keel Laid: August 3, 1993

Christened: July 23, 1994

Commissioned: April 13, 1996