



BarracudaTM USV-MT

Naval Target

Based off the standard Barracuda Unmanned Surface Vehicle-Target (USV-T), the Barracuda Unmanned Surface Vehicle-Missile Target (USV-MT) is a 9m fibreglass hull, rigid inflatable boat (RHIB).

Powered by a D4 300 hp marine diesel engine, the Barracuda USV-MT operates at speeds up to 25+ knots in a sea state 3, and is designed to carry significant weapons performance measurement payloads for Test and Evaluation purposes. The Barracuda USV-MT allows for remote control from distances greater than 10 nautical miles or can be optionally configured for over-the-horizon (OTH) control utilising satellite communications. A digital radio command link controls the target's course and speed, while telemetry and video signals from the target provide the operator with system performance and position information. A self-contained tracking capability is achieved using position data from the on-board GPS.

In addition to the weapons performance measurement systems, the Barracuda USV-MT can be equipped with visual, radar and laser signature enhancements to present a convincing likeness to a variety of naval threats.

The USV-MT, is typically used by customers to represent threats posed by Fast Attack Craft (FAC), Fast Inshore Attack Craft (FIAC) and Close Quarter threats to commercial shipping and Naval vessels, and has been used to test the effectiveness and operational readiness of weapon systems, including:

- Surface-to-surface missiles: Harpoon, Exocet, RBS 15, Mistral/SM/Sea Sparrow type systems (various shore/submarine launched missiles)
- Surface-to-air missiles (in surface-to-surface mode): NATO Sea Sparrow, Evolved Sea Sparrow, Standard SM 1, Standard SM 2 Block III A
- Air-to-surface missiles: RBS 15, AGM 65 Maverick, CRV 7, Harpoon, Kormoran, LIDAM
- Naval guns/cannon & close in weapon Systems: Phalanx, 25-30 Bushmaster, 40mm Bofors, 57mm Bofors Mk III, 76mm Oto Melara SRGM, 100mm Creusot Loire, 4.5" Royal Ordnance, and 127mm Oto Melara/FMV guns
- The Barracuda replicates high-speed naval tactics and a variety of operational guidance plans, including straight-on high-speed attack, crossing patterns, zig-zag, and other evasive manoeuvres. It can be equipped with visual, radar and laser signature enhancements to present a convincing likeness to a variety of naval threats to exercise naval guns, radar and visual IR sensors for naval combat systems.

Specifications

Physical		Key features
Boat length	9.5m (31.2ft)	9m advanced unmanned surface vehicle for training and T&E
Boat platform weight	2,800kg (6173lbs)	Line-of-sight and over-the-horizon control
Engine	D4, Volvo supercharged, after cooled, inline 4-cylinder, marine diesel	Proven speed of 25+ knots in Sea State 3
Engine performance	300 hp	Can tow low-cost 'Kill' targets
Fuel capacity	470 litres (104 imperial gallons)	
Outdrive	Volvo Penta DPH Duoprop	
Performance		
Temperature	Operating: -30° to +50°C (-22° to +122°F) Storage: -40°C to +60°C (-40) to +140°F	
Maximum speed	25+ knots in SS3	
Speed/endurance	25 knots, 10hrs, 250nm	
Control TM range	Over-the-horizon (unlimited distance) tested to 6000km	
Video TM range	>10nm (subject to control station antenna height)	
Control system	Universal Target Control Station (UTCS) – STANAG 4856 compliant	
Optional payloads		
Passive radar augmentation (20–2500m ²)		
Active radar augmentation		
Visual augmentation: smoke, flag, flares, strobes		
Fire-40 IR Hot Nose		
High Speed High Definition (HSHD) camera kit		
IMU kit		
Scanning Projectile Impact Evaluation System (SPIES)		
Capable of carrying auto-winch		
HSITT & other towed targets		

Note: Due to continuous process improvements, specifications are subject to change without notice.

For further information please contact :

Anadrone Systems Private Limited
703, Emaar Capital Tower 1
M.G. Road, Sector 26, Gurugram – 122002, Haryana (India)
Tel.: +91 (124) 4207284 / 85 • Fax : +91 (124) 4207287
E-mail : info@anadrone.com
www.anadrone.com