REMOTELY PILOTED HELICOPTER



» Tandem-rotor

» Heavy Fuel Engine

» Robust and Reliable

» Versatile and Adaptable

» Max. 180 kg Payload Capacity

GENERAL DYNAMICS
Mission Systems

A VERSATILE MULTI-MISSION REMOTELY PILOTED HELICOPTER

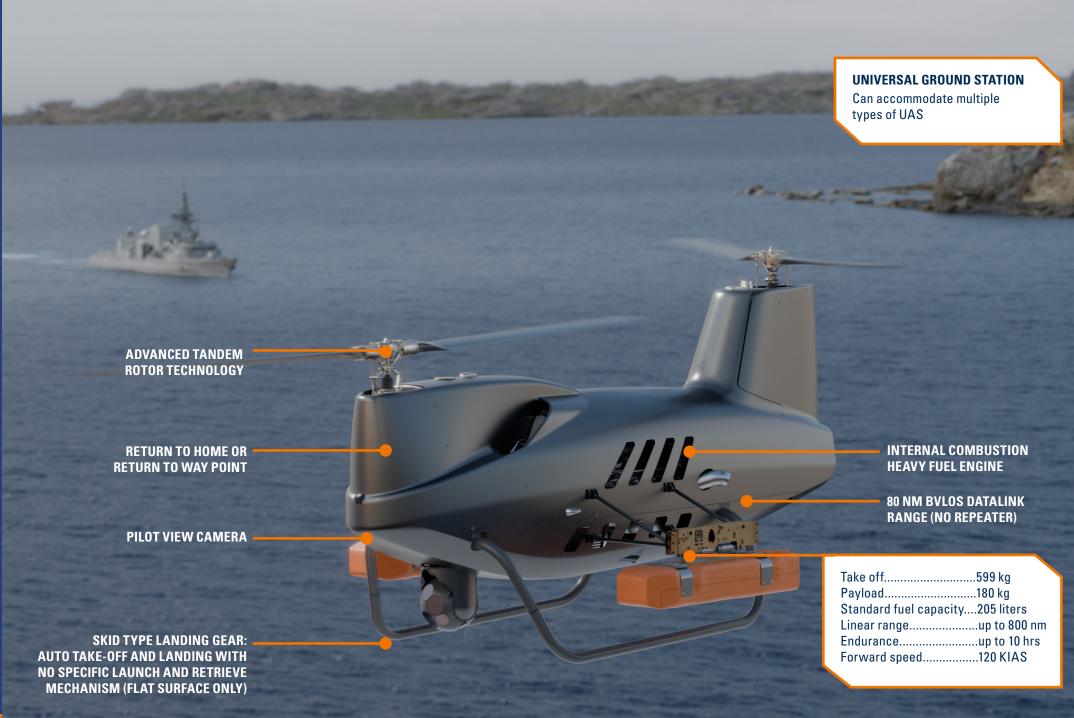
Military, Security, and Surveillance

- » Wide Area Search (ViDAR)
- » Deploy Survival Kits (SKAD) to persons in water and Long-Endurance Monitoring of Persons or Vessels in Distress
- » Support a wide range of sensors and payloads, including visual, AIS, EW (including R-ESM), radar, and others.
- » Shipborne ASW, including sonobuoy deployment and on-board acoustic processing.
- » Ground or Shipborne Light Strike (i.e. light missile, light torpedo)
- » Pollution Detection, including IR/UV line scanning, VIS line scanning, SLAR, and Multi/Hyper Spectral sensors.
- » High-Resolution, Geo-Referenced mapping of areas of interest.
- » Ground Cargo (rear operating base to front line)
- » Shipborne Cargo (ship to shore, shore to ship, ship to ship)
- » Precision Hoisting
- » Ground or Shipborne ISR

Safety

- » Automated Take Off & Landing
- » Auto-Rotation (Emergency Descent)
- » Ship Take Off & Landing
- » Dual BVLOS Datalinks

TANDEM-ROTOR ADVANTAGE



PLATFORM APPLICATIONS

- » Maritime Surveillance
- » Intelligence Gathering
- » Surveillance and Reconnaissance

- » Border Surveillance
- » Search and Rescue
- » Situational Awareness
- » Arctic Conditions: Ice Surveying
- » Cargo Delivery
- » Infrastructure Surveillance
- » BVLOS Operations
- » Communication Relay

REMOTELY PILOTED HELICOPTER

TECHNICAL INFORMATION



Dimensions (L x H x W)	3 x 1.8 x 1.2 m / 9.8 x 5.9 x 3.9 ft	
Rotor Diameter	4 m / 13.1 ft	
Weight	Empty Maximum Takeoff	O .
Capacity	Maximum Payload Maximum Fuel	
Launch and Recovery	Vertical takeoff and landing	
Propulsion	Continental CD-170R	
Usable Fuels	F-44 (JP-5) (and EN 590 Diesel, Jet A, Jet A-1, DEF STAN 91-86, JP-8, DEF STAN 91-91, JP- 8+100)	
Endurance (Payload Capacity)	10 h (20 kg) / 6 h (80 kg) / 3 h (140 kg)	
Link range	80 nm (150 km), BVLOS extendable with relay capability.	
Speed	Maximum Cruising Best Endurance Cruise	222 km/h (120 kts) 167 km/h (90 kts) 111 km/k (60 kts)
Ceiling	5486 m (18,000 ft)	



Environment

Temperature -35°C to 40°C
Wind gusts 40 kts
Precipitation (Snow, mist, rain) Yes
Sea water corrosion resistant Yes



Ground Control Station

STANAG 4586 compliant, Rugged and rigid,
Customizable multi-display console, Tablet based
belly-pack system, pre-program autopilot/manual
override mode, Custom mission & flight simulator

Payloads

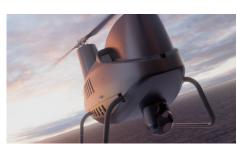
EO/IR/LRF, Multimode Surveillance Radar/Synthetic Aperture Radar, AIS, ASW, Pollution Sensing, Ice Mapping, Electronic Surveillance/COMINT, Communications Relay, SKAD kits







ENDURANCE



RELIABILITY



Mission Systems

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