

# 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



**UNIVERSAL GROUND STATION**  
Can accommodate multiple types of UAS

**ADVANCED TANDEM ROTOR TECHNOLOGY**

**RETURN TO HOME OR RETURN TO WAY POINT**

**PILOT VIEW CAMERA**

**SKID TYPE LANDING GEAR: AUTO TAKE-OFF AND LANDING WITH NO SPECIFIC LAUNCH AND RETRIEVE MECHANISM (FLAT SURFACE ONLY)**

**INTERNAL COMBUSTION HEAVY FUEL ENGINE**

**80 NM BVLOS DATALINK RANGE (NO REPEATER)**

Take off.....599 kg  
Payload.....180 kg  
Standard fuel capacity....205 liters  
Linear range.....up to 800 nm  
Endurance.....up to 10 hrs  
Forward speed.....120 KIAS

### PLATFORM APPLICATIONS

- » Maritime Surveillance
- » Border Surveillance
- » Cargo Delivery
- » Intelligence Gathering
- » Search and Rescue
- » Infrastructure Surveillance
- » Surveillance and Reconnaissance
- » Situational Awareness
- » BVLOS Operations
- » Arctic Conditions: Ice Surveying
- » 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	350 kg / 770 lb
	Maximum Takeoff	599 kg / 1320 lb
Capacity	Maximum Payload	180 kg / 395 lb
	Maximum Fuel	205 l
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	222 km/h (120 kts)
	Cruising	167 km/h (90 kts)
	Best Endurance Cruise	111 km/h (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	



**PAYLOAD CAPACITY**



**ENDURANCE**



**RELIABILITY**