

LX300™ CUSTOMIZABLE UNMANNED HELICOPTER

- » Best Value Solution
- » Robust and Reliable
- » Versatile and Adaptable
- » **90 Kg** Payload Capacity
- » Less Vibration, Better Results



CUSTOMIZABLE UNMANNED HELICOPTER

LX300™

A VERSATILE MULTI-MISSION UNMANNED HELICOPTER

- » Designed and built to meet manned helicopter certifications and standards.
- » Tandem-rotor technology and the quick attach system allow for sustained operations in multiple mission types.
- » Utilizing state-of-the-art materials and processes, the LX300 has the reliability and endurance demanded by defense operators.
- » Purpose built to complement manned helicopters for various defense and security applications.
- » This VTOL UAV features aeronautical grade composite materials for blades, airframe and advanced rotor technology to eliminate vibration at its source.



MILITARY APPLICATIONS

- » Intelligence Gathering
- » Surveillance And Reconnaissance
- » Target Acquisition
- » Border Surveillance
- » Search And Rescue
- » Situational Awareness
- » Arctic Conditions: Ice Surveying
- » Ship Tracking
- » Beyond Line Of Sight Reconnaissance
- » Communication Relay



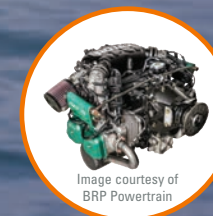
ADVANCED ROTOR TECHNOLOGY



UNIQUE BLADE CONSTRUCTION ABLE TO FACE THE MOST HAZARDOUS FLIGHT CONDITIONS



SAFETY CRITICAL SYSTEM CAPABLE OF ADVANCED AUTONOMY



100-HP ENGINE OFFERING A TBO OF 2,000 HRS

MULTI-MISSION PAYLOADS UP TO 90 KG

- » Allows carrying mission specific payloads
- » Payloads include radios, EO/IR Gimbal, AIS, SAR, SKAD kits, castaway first-aid delivery, and more

QUICK-ATTACH SYSTEM

- » Allows switching payloads in only a few minutes

AIRDROP SYSTEM

- » Features a low velocity airdrop system for the complete payload

FLEXIBLE AND MODULAR

- » Open payload architecture, and small operational footprint
- » Real time image processing for target recognition and tracking
- » Data fusion for common operating picture and situational awareness

TANDEM ROTOR

- » Relatively insensitive to wind direction
- » Easier weight and balance distribution
- » Better stability during hovering operations

LX300™ CUSTOMIZABLE UNMANNED HELICOPTER



SPECIFICATIONS

Dimensions (L x H x W)	2.9m x 1.5m x 1.2m
Rotor Diameter	2.8m
Max. Takeoff Weight	300 kg
Empty weight	190 kg
Payload weight	<=90 kg
Fuel weight	<= 100kg
Launch and Recovery	Vertical Takeoff and Landing

PERFORMANCE

Endurance	<= 8 hours
Mission Radius	<= 150 km
Max Speed	200 km/h
Cruise speed	115 km/h
Ceiling	10,000 ft

ENVIRONMENT

Temperature	-20C to +40C
Wind Gusts	25 knots
Precipitation	Salt, mist and rain
Sea water corrosion resistant	Yes

PAYLOADS

Communication Relay Radios, COMINT	Automatic Identification Systems
EO/IR	Laser Target Designator Imaging
RADAR	LIDAR
Carry and Drop	LOS/BVLOS

DATA LINK

Frequency	Mission Specific
Radio Range	Up to 150 km
Interface	Compatible with STANAG 4586

GROUND CONTROL STATION

Rugged and Rigid, Steel construction, Joysticks and Keyboard support	Customizable joysticks: 1/2/3-axis, programmable buttons, adjustable friction, gimbal/payload controller
Customizable Multi-Display Console	Intuitive tablet based Belly-pack system: Joysticks with adjustable friction, 4-way switch and buttons
Pre-program autopilot mode, Manual override mode	Flight simulator, Custom Mission simulator

GENERAL DYNAMICS
Mission Systems

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