



SR30 Helicopter UAV Specifications

Item	Specification
Length	1638 mm, 64½”
Width	355 mm, 14”
Height	622 mm, 24½”
Main Rotor (M/R) Diameter	1981 mm, 78”
Tail Rotor (M/R) Diameter	337 mm, 13¼”
Transmission	Gears
Tail Rotor	Shaft Drive
Dry Weight	7 kg, 15½ lbs.
Engine	2.4 HP 2 stroke gasoline
Fuel Capacity	2 Liters
Climb Rate	122 mpm, 400 fpm (AFCS regulated)
Maximum Speed	11 mps, 36 fps [40 kph, 25 mph] (AFCS regulated)
Endurance:	1½ Hours
Payload	~8½ kg, 19 lbs. Gross Maximum ~7 kg, 15 lbs. With Fuel
Telemetry	802.11-based, 800m, 875yards, LOS range
Flight Control Software	Fully autonomous flight with auto-takeoff and landing, unlimited number of programmable waypoints, “point and click” waypoints on map overlay, joystick control (See Flight Controller Specifications Below)
Ground Control Software	Included with system and provides command and control and sensor data on screen with audible warning system
Safety Controller	2.4 Ghz, 500m, 550yards, LOS range

Rotomotion Flight Control System Specifications

Item	Condition	Specification
Number of Waypoints	Default RAM Size	Unlimited
Waypoint Parameters		Altitude, Latitude, Longitude, Hold Time, Pirouetting
Waypoint Transition Parameters		Velocity, Heading follow point
Waypoint Accuracy	Light Winds Good GPS Reception	3 m diameter
Altitude Hold Accuracy	Light Wind Good GPS Reception	+/- .5 m
Flight Modes		Manual, Manual on Specific Control, Waypoint, Velocity, Command