



SR5 Helicopter UAV Specifications

Item	Specification
Length	658 mm, 27"
Width	114mm, 4.5"
Height	254 mm, 10"
Main Rotor (M/R) Diameter	787 mm, 31"
Tail Rotor (M/R) Diameter	159 mm, 6.25"
Transmission	Direct Drive
Tail Rotor	Shaft Drive
Dry Weight	1.8 Kg, 4 Lbs
Engine	440W Electric Motor (25V)
Energy Capacity	3.3 Ah, 25V Battery
Climb Rate	122 mpm, 400 fpm (AFCS regulated)
Maximum Speed	11 mps, 36 fps [40 kph, 25 mph] (AFCS regulated)
Endurance:	With Sony Camera (see Payload) 20 minutes
Payload	Sony FCB – ix 11AP Day Video Camera
Telemetry	802.11-based, 800m, 875yards, LOS range Long range options available up to 4K 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 DSM2, 800yards, 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