

PARTISAN MAPPING SPECIFICATION

PHYSICAL	
Wingspan	1.5 m
Overall length	1.2 m
Overall height	0.35 m
Weight	3-4 kg
OPERATIONAL	
Deployment	Hand-Launched / Belly landed
Instrumentation	GPS/GLONASS/GALILEO navigation
	Barometer, Altimeter
	Pitot tube
Power	Electric motor
	Rechargeable Lithium Battery
	3300 mAh
PERFORMANCE	
Endurance	25 min, at 500m AGL, with maxed options.
Max. Distance	29 km
Wind Tolerance (ground)	8 m/s
Wind Tolerance (cruise)	12 m/s
Cruise speed	Typical 21 m/s
Dash speed	Maximum 35 m/s
Stall speed	16 m/s
Service Ceiling	3000 m
Standard Take-off altitude	120 m
Environmental capability	-15 to 35 °C; 0,5 mm/h precipitation
FLIGHT CONTROL SYSTEMS	
Autopilot	Fully autonomous
	Waypoint navigation
Safety	Programmable failsafe
	Automatic return to home
Failsafe routes	Continuous health monitoring
MISSION CONTROL	
Type	PC
OS	Windows 11
Software	Mission Planner QGround control
COMMUNICATION*	
Frequency	2.400-2.483 GHz
Bandwidth	5/10/20MHz
Communication technology	RHSS
Memory encryption	Yes
Command and Control Range	Up to 6 km
*Optional	

GROUND CONTROL STATION*	
Type	Handheld, 7" touchscreen
Weight	Up to 3 kg
Chassis	Modular with configurable buttons, HDMI, Ethernet and USB connectivity
Battery capacity	20000 mAh
Functionality	Geo-referenced video imagery Fully featured software with integrated video display
* Optional	