

Specifications of M12	
General specifications	
Total weight (W/O batteries)	11.2 kg
Max. take-off weight	24.9 kg/29 kg depending on category
Max. payload weight (C4 or C3 category)	9.6 kg
Max. payload dimensions	600x600x600 mm
Dimensions unfolded	1460 x 1020 x 610 [mm]
Dimensions folded	770 x 490 x 540 [mm]
Max. hovering time with standard battery	26 min (18 kg) 12.5min (29 kg)
GPS	GPS, GLONASS, Galileo
Hovering precision	±10 cm (RTK) ±2m (without RTK)
Rotor dimensions	30 x 11
Battery type	Li-Po Smart
Battery capacity	16000 mAh
Battery voltage	44.4V
Battery weight	4.2 kg
Battery charging time	min. 11 minutes
Battery charger	4 ports (2 balance)
Battery charger power	3000 W
Payload connections	
Power source	Optional 0-50V - Configurable
Signal outputs	4 x PVM E 6 x Relay from flight controller
Signal inputs/outputs	6 x from flight controller
Execution of work	
Intrusion protection	Limited water and dust resistance
Easy transportability	✓
Modular payload attachability	✓
Obstacle avoidance	According to pregenerated shapefiles

FPV camera	Forward + Downward
Camera resolution	FHD
Effective signal range of RC	~3,5 km
Altitude measurement	Barometric (optional: LIDAR)
Flight planning	
Software source code	Open
Flight plan creation on a PC	✓
Area SHP and line SHP files	✓
Software compatibility	Multiple
Downward facing camera for obstacle selection	✓
RTK base	Optional
Data security	✓
No data transmission to remote servers	✓
Frequency bands	
GNSS receiver	1.58GHz
Radio Control and Telemetry	2.4GHz
WLAN	5GHz
Flight	
Max. pitch angle	30°
Max. level speed	20 m/s
Max. flight altitude (AMSL)	4500 m
Max. flight altitude (AGL)	120 m
Max. tolerable wind speed	10 m/s