



Technical Description & Performance Limitations of Mavic 3 / Mavic Cine

RPAS Technical Description	
Airframe Type	Multicopter
Manufacturer	DJI
Model of RPA	Mavic 3 / Mavic 3 Cine
Span / Diameter	221 x 96.3 x 90.3 mm (Folded without propellers) 347.5 x 283 x 107.7 mm (Unfolded without propellers)
Maximum Take-Off Mass (g)	Mavic 3: 895 g Mavic 3 Cine: 899 g
Propulsion Type	Electric Brushless Motor
Number of Motors	4
Flight Battery	DJI Intelligent Flight Battery (5000 mAh)
Flight Control System (Autopilot)	DJI Flight Control System
Software / Firmware	Aircraft Firmware (Mavic 3 / Mavic 3 Cine)
Transmitter	O3+
Receiver	O3+
RPA Control Frequency	2.400-2.4835 GHz 5.725-5.850 GHz
Remote Pilot Station (RPS)	DJI Smart Controller
Remote Pilot Station Software	DJI Fly App
RPAS Performance Characteristics	
Max altitude	6000m
Max Endurance	Approximately 46 minutes
Max Range	30km
Max Airspeed (At sea level, no wind)	18km/h (C-mode) 54km/h (N-mode) 75.6km/h (S-mode)
Max Climb rate	3.6k/m (C-mode), 21.6km/h (N-mode), 28.8km/h (S-mode)
Max descent rate	3.6k/m (C-mode), 21.6km/h (N-mode), 21.6km/h (S-mode)
Max bank angles	35° (S-mode), 30° (N-mode), 25° (C-mode),
RPAS Performance Limitations	
Wind speed Limits	43.2 kph
Turbulence restrictions	Turbulence to be avoided at all times
Minimum visibilities Conditions	Heavy rain, fog, snow, lightning, tornadoes, or hurricanes.
Outside air temp	-10°C to 40°C
In flight Icing	Forbidden to fly in icy conditions