

	M30 Series	M300 RTK	M2EA
M30 Series vs M300 RTK vs Mavic 2 Enterprise Advanced: Key Specifications			
Dimensions (mm): L x W x H	Unfolded (propellers excluded): 470 x 585 x 215 Folded: 365 x 215 x 195	Unfolded (propellers excluded): 810 x 670 x 430 Folded: 430 x 420 x 430	Unfolded: 322 x 242 x 84 Folded: 214x 91 x 84
Weight	3.7 kg (including two batteries)	Approx. 6.3 kg (with two TB60 batteries, and single downward gimbal)	909 g (without accessories)
Max Takeoff Weight	4 kg	9 kg	1.1 kg
Flight Time	41 minutes	55 minutes (no payload); With payload: Depends on payload	Up to 31 minutes
IP Rating	IP55	IP45	None
Payloads	Fixed, multi-sensor payload; Third-party payloads can also be used	Interchangeable payloads, including third-party payloads	Fixed, dual sensor payload; Additional modules can be added
Operating Temperature	-20°C to 50°C	-20°C to 50°C	-10°C to 40°C
Max Speed	23 m/s	S mode: 23 m/s P mode: 17 m/s	S mode: 20 m/s P mode: 13.8 m/s
Max Wind Speed Resistance	15 m/s; 12 m/s during taking off and landing	15 m/s; 12 m/s when taking off or landing)	10 m/s
RTK Positioning Accuracy	When RTK enabled and fixed: Enabled 1 cm+1 ppm	When RTK enabled and fixed: 1 cm+1 ppm	In RTK FIX: 1cm+1ppm (Horizontal)

	(horizontal) 1.5 cm+1 ppm (vertical)	(Horizontal) 1.5 cm + 1 ppm (Vertical)	1.5cm+1 ppm (Vertical) *RTK Module available separately
Controller	DJI RC Plus; IP54 rated	DJI Smart Controller Enterprise; No IP Rating *RC Plus compatibility is expected soon	DJI Smart Controller; No IP Rating
Maximum Transmission Distance (CE)	8 km	8 km	6 km

Environmental Specs

Operating Temperature	-20°C to 50°C	-20°C to 50°C	-10°C to 40°C
Wind Speed Resistance	15 m/s; 12 m/s during taking off and landing	15 m/s; 12 m/s during taking off and landing	10 m/s
IP Rating (Drone)	IP55	IP45	None
IP Rating (RC)	RC Plus: IP54	Smart Controller Enterprise: None. *Future RC Plus compatibility is expected	Smart Controller: None

Camera

Wide Angle	Equivalent Focal Length: 24 mm, DFOV: 84°; 12 MP 1/2" CMOS Sensor; Video Resolution: 4K/30fps	Equivalent Focal Length: 24mm, DFOV: 82.9°; 12 MP 1/2.3" CMOS Sensor; Video Resolution:1080@30fps	1/2" CMOS, Effective Pixels: 48 M FOV: 84° 35 mm format equivalent: 24 mm Aperture: f/2.8 Focus: 1 m to ∞
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	48 MP 1/2" CMOS Sensor;	20 MP 1/1.7" CMOS Sensor;	
Zoom	5x-16x Optical Zoom, 200x Max. Hybrid Zoom; Video Resolution: 4K/30fps	23x Hybrid Optical Zoom, 200x Max Zoom; Video Resolution: 4K/30fps	32x 3840×2160@30fps 1920×1080@30fps
Laser Rangefinder	Range: 3 m - 1200 m; Accuracy: ±(0.2m+D×0.15%)	Range: 3 m - 1200 m; Accuracy: ± (0.2 m + D×0.15%)	
Thermal	Resolution: 640×512; Frame Rate: 30fps (M30T)	Resolution: 640×512; Frame Rate: 30fps (H20T)	640×512 @30Hz
Controller			
Screen Size	7.02 inch	5.5 inch	5.5 inch
Brightness	1200 cd/m ²	1000 cd/m ²	1000cd/m ²
IP Rated	Yes. IP54	No	No
Battery Life	Internal battery: Approx 3 hours 18 mins; Internal battery + external battery: Approx 6 hours	Built-in battery: Approx. 2.5 hours; Built-in battery + external battery: Approx. 4.5 hours	2.5 hours
Hot-swappable Battery	Yes	No	No

Operating Temperature	-20°C to 50°C	-20°C to 40°C	-20°C to 40°C
Transmission Distance (CE)	8km	8km	6km
OcuSync Version	O3 Enterprise	OcuSync Enterprise	OcuSync 2.0
Removable Antennas	Yes	No	No
4G Dongle Compatibility	Yes. DJI Cellular Module	Yes: ZTE MF833V dongle	Not recommended by DJI

Flight

Flight time	Max Flight Time: 41 minutes	No payload: 55 min Z30: 46 min XT2: 45 min H20: 45 min H20T: 43 min P1: Up to 40 min L1: Up to 40 min Z30 + XT2: 39 min H20 + XT2: 39 min Max Load: 31 min	Max Flight Time: 31 min RTK module attached: 28 min Beacon turned on: 29 min Beacon turned off: 30 min Spotlight turned on: 24 min Spotlight turned off: 28 min Speaker turned on: 27 min Speaker turned off: 28 min
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Batteries

Name	TB30	TB60	Mavic 2 Intelligent Flight Battery
Battery Type	LiPo 6S	LiPo 12S	LiPo
Capacity	5880 mAh	5935 mAh	3850 mAh
Voltage	26.1 V	52.8 V	15.4V
Energy	131.6 Wh	274 Wh	59.29 Wh

Net Weight	685 g (approx)	1.35 kg (approx)	297 g
Flight performance			
Speed	51.4 mph / 23 m/s	51.4 mph / 23 m/s (S mode); 38 mph / 17 m/s (P-mode)	44.7 mph / 20 m/s (S-mode); 30.8 mph / 13.8 m/s (P-mode)
Max Ascent Speed	6 m/s	S mode: 6 m/s; P mode: 5 m/s	6 m/s (S-mode); 5 m/s (P-mode); 4 m/s (S-mode with accessories); 4 m/s (P-mode with accessories)
Max Descent Speed	Vertical: 5 m/s Tilt: 7 m/s	Vertical: S mode: 5 m/s; P mode: 4 m/s. Tilt: S Mode: 7 m/s	Vertical: 5 m/s (S-mode); 4 m/s (P-mode). Tilt: 7 m/s (S-mode); 4 m/s (P-mode)
Max Service Ceiling Above Sea Level	5,000 m (with 1671 propellers); 7,000 m (with 1676 propellers)	5,000 m (with 2110 propellers, takeoff weight \leq 7 kg); 7,000 m (with 2195 propellers, takeoff weight \leq 7 kg)	6,000 m
Max Tilt/Pitch Angle	35° (N-mode and Forward Vision System enabled: 25°)	30° (P-mode, Forward Vision System enabled: 25°)	35°(S-mode, with remote controller); 25°(P-mode)
Max Angular Velocity	Pitch: 150°/sec.; Yaw: 100°/sec.	Pitch: 300°/s, Yaw: 100°/s	200°/s (S-mode) 100°/s (P-mode)