



Specs

Aircraft

Weight (with propellers, without accessories) ^[1]	DJI Mavic 3E: 915 g DJI Mavic 3T: 920 g
Max Takeoff Weight	DJI Mavic 3E: 1,050 g DJI Mavic 3T: 1,050 g
Dimensions	Folded (without propellers): 221×96.3×90.3 mm (L×W×H) Unfolded (without propellers): 347.5×283×107.7 mm (L×W×H)
Diagonal Distance	380.1 mm
Max Ascent Speed	6 m/s (Normal Mode) 8 m/s (Sport Mode)
Max Descent Speed	6 m/s (Normal Mode) 6 m/s (Sport Mode)
Max Flight Speed (at sea level, no wind)	15 m/s (Normal Mode) Forward: 21 m/s, Side: 20 m/s, Backward: 19 m/s (Sport Mode)
Max Wind Speed Resistance	12 m/s ^[3]
Max Take-off Altitude Above Sea Level	6000 m (without payload)
Max Flight Time (no wind)	45 mins ^[4]

Max Hover Time (no wind)	38 mins
Max Flight Distance	32 km
Max Tilt Angle	30° (Normal Mode) 35° (Sport Mode)
Max Angular Velocity	200°/s
GNSS	GPS+Galileo+BeiDou+GLONASS (GLONASS is supported)
Hovering Accuracy	Vertical: ±0.1 m (with Vision System); ±0.5 m (with GNSS) Horizontal: ±0.3 m (with Vision System); ±0.5 m (with GNSS)
Operating Temperature Range	-10° to 40° C (14° to 104° F)
Internal Storage	N/A
Motor Model	2008
Propeller Model	9453F Propellers for Enterprise
Beacon	Built into the aircraft

Wide Camera

Sensor	DJI Mavic 3E: 4/3 CMOS, Effective pixels: 20 MP DJI Mavic 3T: 1/2-inch CMOS, Effective pixels: 48 MP
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Lens

DJI Mavic 3E:
FOV: 84°
Format Equivalent: 24 mm
Aperture: f/2.8-f/11
Focus: 1 m to ∞

DJI Mavic 3T:
FOV: 84°
Format Equivalent: 24 mm
Aperture: f/2.8
Focus: 1 m to ∞

ISO Range

DJI Mavic 3E: 100-6400
DJI Mavic 3T: 100-25600

Shutter Speed

DJI Mavic 3E:
Electronic Shutter: 8-1/8000 s
Mechanical Shutter: 8-1/2000 s

DJI Mavic 3T:
Electronic Shutter: 8-1/8000 s

Max Image Size

DJI Mavic 3E: 5280×3956
DJI Mavic 3T: 8000×6000

Still Photography Modes

DJI Mavic 3E:
Single: 20 MP
Timed: 20 MP
JPEG: 0.7/1/2/3/5/7/10/15/20/30/60 s
JPEG+RAW: 3/5/7/10/15/20/30/60 s
Smart Low-light Shooting: 20 MP
Panorama: 20 MP (raw image)

DJI Mavic 3T:
Single: 12 MP/48 MP
Timed: 12 MP/48 MP
JPEG: 2/3/5/7/10/15/20/30/60 s*
Panorama: 12 MP (raw image); 100 MP (stitched image)
Smart Low-light Shooting: 12 MP

* Shooting 48MP photo does not support 2s interval

Video Resolution	H.264 4K: 3840×2160@30fps FHD: 1920×1080@30fps
Bitrate	DJI Mavic 3E: 4K: 130 Mbps FHD: 70 Mbps DJI Mavic 3T: 4K: 85 Mbps FHD: 30 Mbps
Supported File Formats	exFAT
Photo Format	DJI Mavic 3E: JPEG/DNG (RAW) DJI Mavic 3T: JPEG
Video Format	MP4 (MPEG-4 AVC/H.264)

Tele Camera

Sensor	1/2-inch CMOS, Effective pixels: 12 MP
Lens	FOV: 15° Format Equivalent: 162 mm Aperture: f/4.4 Focus: 3 m to ∞
ISO Range	DJI Mavic 3E: 100-6400 DJI Mavic 3T: 100-25600
Shutter Speed	Electronic Shutter: 8-1/8000 s
Max Image Size	4000×3000
Photo Format	JPEG
Video Format	MP4 (MPEG-4 AVC/H.264)
Still Photography Modes	DJI Mavic 3E:

Single: 12 MP
Timed: 12 MP
JPEG: 0.7/1/2/3/5/7/10/15/20/30/60 s
Smart Low-light Shooting: 12 MP

DJI Mavic 3T:
Single: 12 MP
Timed: 12 MP
JPEG: 2/3/5/7/10/15/20/30/60 s
Smart Low-light Shooting: 12 MP

Video Resolution

H.264
4K: 3840×2160@30fps
FHD: 1920×1080@30fps

Bitrate

DJI Mavic 3E:
4K: 130 Mbps
FHD: 70 Mbps

DJI Mavic 3T:
4K: 85 Mbps
FHD: 30 Mbps

Digital Zoom

8x (56x hybrid zoom)

Thermal Camera ^[5]

Thermal Imager

Uncooled VOx Microbolometer

Pixel Pitch

12 μ m

Frame Rate

30 Hz

Lens

DFOV: 61°
Format Equivalent: 40 mm
Aperture: f/1.0
Focus: 5 m to ∞

Sensitivity

≤ 50 mk@F1.1

Temperature Measurement

Spot Meter, Area Measurement

Method

Temperature Measurement Range -20° to 150° C (-4° to 302° F, High Gain Mode)
0° to 500° C (32° to 932° F, Low Gain Mode)

Palette White Hot/Black Hot/Tint/Iron Red/Hot Iron/Arctic/M

Photo Format JPEG (8-bit)
R-JPEG (16-bit)

Video Resolution 640×512@30fps

Bitrate 6 Mbps

Video Format MP4 (MPEG-4 AVC/H.264)

Still Photography Modes DJI Mavic 3T:
Single: 640×512
Timed: 640×512
JPEG: 2/3/5/7/10/15/20/30/60 s

Digital Zoom 28x

Infrared Wavelength 8-14 μm

Infrared Temperature Measurement Accuracy ±2° C or ±2% (using the larger value)

Gimbal

Stabilization 3-axis (tilt, roll, pan)

Mechanical Range

DJI Mavic 3E:
Tilt: -135° to 100°
Roll: -45° to 45°
Pan: -27° to 27°

DJI Mavic 3T:
Tilt: -135° to 45°
Roll: -45° to 45°
Pan: -27° to 27°

Controllable Range

Tilt: -90° to 35°
Pan: Not controllable

Max Control Speed (tilt)

100°/s

Angular Vibration Range

±0.007°

Sensing

Type

Omnidirectional binocular vision system, supplement

Forward

Measurement Range: 0.5-20 m
Detection Range: 0.5-200 m
Effective Sensing Speed: Flight Speed ≤15 m/s
FOV: Horizontal 90°, Vertical 103°

Backward

Measurement Range: 0.5-16 m
Effective Sensing Speed: Flight Speed ≤12 m/s
FOV: Horizontal 90°, Vertical 103°

Lateral

Measurement Range: 0.5-25 m
Effective Sensing Speed: Flight Speed ≤15 m/s
FOV: Horizontal 90°, Vertical 85°

Upward

Measurement Range: 0.2-10 m
Effective Sensing Speed: Flight Speed ≤6 m/s
FOV: Front and Back 100°, Left and Right 90°

Downward

Measurement Range: 0.3-18 m
Effective Sensing Speed: Flight Speed ≤6 m/s

FOV: Front and Back 130°, Left and Right 160°

Operating Environment

Forward, Backward, Lateral, and Upward: Surface with
Downward: Diffuse reflective surface with diffuse ref
>15)

Video Transmission

Video Transmission System

DJI O3 Enterprise Transmission

Live View Quality

Remote Controller: 1080p/30fps

Operating Frequency^[6]

2.400-2.4835 GHz
5.725-5.850 GHz

Max Transmission Distance (unobstructed, free of interference)^[7]

DJI Mavic 3E:
FCC: 15 km
CE: 8 km
SRRC: 8 km
MIC: 8 km

DJI Mavic 3T:
FCC: 15 km
CE: 8 km
SRRC: 8 km
MIC: 8 km

Max Transmission Distance (Obstructed)^[8]

Strong Interference (dense buildings, residential areas)
Medium Interference (suburban areas, city parks, etc.)
Low Interference (open spaces, remote areas, etc.): 9

Max Download Speed^[9]

15 MB/s (with DJI RC Pro Enterprise)

Latency (depending on environmental conditions and mobile device)

Approx. 200 ms

Antenna

4 Antennas, 2T4R

Transmission Power (EIRP)	2.4 GHz: <33 dBm (FCC), <20 dBm (CE/SRRC/MIC) 5.8 GHz: <33 dBm (FCC), < 30 dBm (SRRC), <14 dBm (CE)
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DJI RC Pro Enterprise

Video Transmission System	DJI O3 Enterprise Transmission
Max Transmission Distance (unobstructed, free of interference) ^[7]	FCC: 15 km CE/SRRC/MIC: 8 km
Video Transmission Operating Frequency ^[6]	2.400-2.4835 GHz 5.725-5.850 GHz
Antenna	4 Antennas, 2T4R
Video Transmission Transmitter Power (EIRP)	2.4 GHz: <33 dBm (FCC), <20 dBm (CE/SRRC/MIC) 5.8 GHz: <33 dBm (FCC), <14 dBm (CE), < 23 dBm (SRRC)
Wi-Fi Protocol	802.11 a/b/g/n/ac/ax Support 2×2 MIMO Wi-Fi
Wi-Fi Operating Frequency ^[6]	2.400-2.4835 GHz 5.150-5.250 GHz 5.725-5.850 GHz
Wi-Fi Transmitter Power (EIRP)	2.4 GHz: <26 dBm (FCC), <20 dBm (CE/SRRC/MIC) 5.1 GHz: <26 dBm (FCC), <23 dBm (CE/SRRC/MIC) 5.8 GHz: <26 dBm (FCC/SRRC), <14 dBm (CE)
Bluetooth Protocol	Bluetooth 5.1
Bluetooth Operating Frequency	2.400-2.4835 GHz
Bluetooth Transmitter Power (EIRP)	< 10 dBm
Screen Resolution	1920×1080

Screen Size	5.5 inches
Screen	60 fps
Brightness	1,000 nits
Touchscreen Control	10-point multi-touch
Battery	Li-ion (5000 mAh @ 7.2 V)
Charging Type	Recommended to be charged with the included DJI U
Rated Power	12 W
Storage Capacity	Internal Storage (ROM): 64 GB Supports a microSD card for expanded capacity.
Charging Time	Approx. 1 hour 30 minutes (with the included DJI USB USB charger at 15 V) Approx. 2 hours (with a USB charger at 12 V) Approx. 2 hours 50 minutes (with the included DJI US controller simultaneously)
Operating Time	Approx. 3 hours
Video Output Port	Mini-HDMI port
Operating Temperature Range	-10° to 40° C (14° to 104° F)
Storage Temperature	-30° to 60° C (-22° to 140° F) (within one month) -30° to 45° C (-22° to 113° F) (one to three months) -30° to 35° C (-22° to 95° F) (three to six months) -30° to 25° C (-22° to 77° F) (more than six months)
Charging Temperature	5° to 40° C (41° to 104° F)
Supported DJI Aircraft ^[10]	DJI Mavic 3E DJI Mavic 3T
GNSS	GPS+Galileo+GLONASS
Dimensions	Antennas folded and controller sticks unmounted:

183.27×137.41×47.6 mm (L×W×H)
Antennas unfolded and controller sticks mounted:
183.27×203.35×59.84 mm (L×W×H)

Weight Approx. 680 g

Model RM510B

Storage

Supported Memory Cards Aircraft:
U3/Class10/V30 or above is required. A list of recomr

Recommended microSD Cards Remote Controller:

- SanDisk Extreme PRO 64GB V30 A2 microSDXC
- SanDisk High Endurance 64GB V30 microSDXC
- SanDisk Extreme 128GB V30 A2 microSDXC
- SanDisk Extreme 256GB V30 A2 microSDXC
- SanDisk Extreme 512GB V30 A2 microSDXC
- Lexar 667x 64GB V30 A2 microSDXC
- Lexar High-Endurance 64GB V30 microSDXC
- Lexar High-Endurance 128GB V30 microSDXC
- Lexar 667x 256GB V30 A2 microSDXC
- Lexar 512GB V30 A2 microSDXC
- Samsung EVO Plus 64GB V30 microSDXC
- Samsung EVO Plus 128GB V30 microSDXC
- Samsung EVO Plus 256GB V30 microSDXC
- Samsung EVO Plus 512GB V30 microSDXC
- Kingston Canvas Go! Plus 128GB V30 A2 microSDXC
- Kingston Canvas React Plus 128GB V90 A1 microSDXC

Aircraft:

- SanDisk Extreme 32GB V30 A1 microSDHC
- SanDisk Extreme PRO 32GB V30 A1 microSDHC
- SanDisk Extreme 512GB V30 A2 microSDXC
- Lexar 1066x 64GB V30 A2 microSDXC
- Kingston Canvas Go! Plus 64GB V30 A2 microSDXC
- Kingston Canvas React Plus 64GB V90 A1 microSDXC
- Kingston Canvas Go! Plus 128GB V30 A2 microSDXC
- Kingston Canvas React Plus 128GB V90 A1 microSDXC
- Kingston Canvas React Plus 256GB V90 A2 microSDXC

Battery

Capacity	5000 mAh
Standard Voltage	15.4 V
Max Charging Voltage	17.6 V
Type	LiPo 4S
Chemical System	LiCoO2
Energy	77 Wh
Weight	335.5 g
Charging Temperature	5° to 40° C (41° to 104° F)

Charger

Input	100-240 V (AC Power), 50-60 Hz, 2.5 A
Output Power	100 W
Output	Max. 100 W (total) When both ports are used, the maximum output power is allocated according to the power of the two ports.

Charging Hub

Input	USB-C: 5-20 V, 5.0 A
Output	Battery Port: 12-17.6 V, 8.0 A
Rated Power	100 W

Charging Type Three batteries charged in sequence

Charging Temperature Range 5° to 40° C (41° to 104° F)

RTK Module

Dimensions 50.2×40.2×66.2 mm (L×W×H)

Weight 24±2 g

Interface USB-C

Power Approx. 1.2 W

RTK Positioning Accuracy RTK Fix:
Horizontal: 1 cm + 1 ppm; Vertical: 1.5 cm + 1 ppm

Speaker

Dimensions 114.1×82.0×54.7 mm (L×W×H)

Weight 85±2 g

Interface USB-C

Rated Power 3 W

Max Volume ^[11] 110 dB @ 1 m

Effective Broadcast Distance ^[11] 100 m @ 70 dB

Bit Rate 16 Kbps/32 Kbps

Operating Temperature Range -10° to 40° C (14° to 104° F)