

# MATRICE 100

## SPECS

### STRUCTURE

Diagonal Wheelbase	650 mm
Weight (with TB47D battery)	2355 g
Weight (with TB48D battery)	2431 g
Max. Takeoff Weight	3600 g
Expansion Bay Weight	45 g
Battery Compartment Weight	160 g
Zenmuse X3 Gimbal with Camera Weight	247 g

### PROPULSION SYSTEM

Motor Model	DJI 3510
Propeller Model	DJI 1345s
ESC Model	DJI E SERIES 620D

### OTHER

Operating Temperature	-10°C to 40°C
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### CHARGER

Model	A14-100P1A
Voltage Output	26.3 V
Power Rating	100 W

### BATTERY (OPTIONAL)

Name	Intelligent Flight Battery
Model	TB48D
Capacity	5700 mAh
Voltage	22.8 V
Type	LiPo 6S
Energy	129.96 Wh
Net Weight	676 g
Operating Temperature	-10°C to 40°C
Storage Temperature	<3 months: -20° to 45°C >3 months: 22° to 28°C
Charging Temperature	0°C to 40°C
Max. Charging Power	180 W

## PERFORMANCE

Hovering Accuracy (P-Mode With GPS)	Vertical: 0.5 m, Horizontal: 2.5 m
Max. Angular Velocity	Pitch: 300°/s, Yaw: 150°/s
Max. Tilt Angle	35°
Max. Speed of Ascent	5 m/s
Max. Speed of Descent	4 m/s
Max. Wind Resistance	10 m/s
Max. Speed	22 m/s (ATTI mode, no payload, no wind) 17 m/s (GPS mode, no payload, no wind)
Hovering Time (with TB47D battery)	No payload: 22 min; 500g payload: 17 min; 1kg payload: 13 min
Hovering Time (with TB48D battery)	No payload: 28 min; 500g payload: 20 min; 1kg payload: 16 min

Hovering Time (with two TB47D batteries)	No payload: 33 min
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Hovering Time (with two TB48D battery)	No payload: 40 min
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Hovering Time (with TB47D battery and Zenmuse X3)	No payload: 19 min
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Hovering Time (with TB48D battery and Zenmuse X3)	No payload: 23 min
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## FLIGHT CONTROL SYSTEM

Model	N1
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## REMOTE CONTROLLER

Name	C1
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Operating Frequency	5.725~5.825 GHz 922.7MHz~927.7 MHz (Japan) 2.400~2.483 GHz (Lightbridge)
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Transmission Distance (unobstructed, free of interference)	CE: 3.5 km FCC: 5 km
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EIRP	10dBm@900M 13dBm@5.8G 20dBm@2.4G
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Video Output	USB, Mini-HDMI
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Power Supply	Built-in battery
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Charger	DJI approved charger
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Dual Users Capability	Master-and-Slave control
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Mobile Device Holder	Supports smartphones and tablets
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Output Power	9 W
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Operating Temperature	-10°C to 40°C
Storage Temperature	<3 months: -20°C to 45°C >3 months: 22°C to 28°C
Charging Temperature	0°C to 40°C
Battery	6000 mAh LiPo 2S
Max Mobile Device Width	170mm

## BATTERY (STANDARD)

Name	Intelligent Flight Battery
Model	TB47D
Capacity	4500 mAh
Voltage	22.2 V
Type	LiPo 6S
Energy	99.9 Wh
Net Weight	600 g
Operating Temperature	-10°C to 40°C
Storage Temperature	<3 months: -20°C to 45°C >3 months: 22°C to 28°C
Charging Temperature	0°C to 40°C
Max. Charging Power	180 W