

MATRICE 100SPECS

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

Hovering Time (with two TB48D battery) No payload: 40 min

Hovering Time (with TB47D battery and Zenmuse X3) No payload: 19 min

Hovering Time (with TB48D battery and Zenmuse X3) No payload: 23 min

FLIGHT CONTROL SYSTEM

Model N1

REMOTE CONTROLLER

Name C1

Operating Frequency 5.725~5.825 GHz
922.7MHz~927.7 MHz (Japan)
2.400~2.483 GHz (Lightbridge)

Transmission Distance (unobstructed, free of interference)	CE: 3.5 km FCC: 5 km
EIRP	10dBm@900M 13dBm@5.8G 20dBm@2.4G
Video Output	USB, Mini-HDMI
Power Supply	Built-in battery
Charger	DJI approved charger
Dual Users Capability	Master-and-Slave control
Mobile Device Holder	Supports smartphones and tablets
Output Power	9 W
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

