<http://wiki.dji.com/en/index.php/Matrice_100-Specifications>

## **Structure**

* Diagonal Wheelbase

650 mm

* Weight (with TB47D battery)

2355 g

* Weight (with TB48D battery)

2431 g

* Max Takeoff Weight

3400 g

## **Optional Accessories**

* Expansion Bay Weight

45 g

* Battery Compartment Weight

160 g

* Zenmuse X3 Gimbal with Camera Weight

247 g

## **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 Pitch 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 batteries)

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

* The hovering time is based on flying at 10m above sea level in a no-wind environment and landing with 10% battery level.

## **Propulsion System**

* Motor Model

DJI 3510

* Propeller Model

DJI 1345s

* ESC Model

DJI E SERIES 620D

## **Flight Control System**

* Model

N1

## **Other**

* Operating Temperature

-10 to 40 ℃

## **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 2 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 to 40 ℃

* Storage Temperature

< 3 months: -20 to 45 ℃

> 3 months: 22 to 28 ℃

* Charging Temperature

0 to 40 ℃

* Battery

6000 mAh LiPo 2S

* Max Tablet Width

170 mm

## **Charger**

* Model

A14-100P1A

* Voltage Output

26.3 V

* Power Rating

100 W

## **Battery (Standard)**

* Name

Intelligent Flight Battery

* Model

TB47D

* Capacity

4500 mAh

* Voltage

22.2 V

* Type

LiPo 6S High voltage battery

* Energy

99.9 Wh

* Net Weight

600 g

* Operating Temperature

-10 to 40 ℃

* Storage Temperature

< 3 months: -20 to 45 ℃

> 3 months: 22 to 28 ℃

* Charging Temperature

0 to 40 ℃

* Max Charging Power

180 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 to 40 ℃

* Storage Temperature

< 3 months: -20 to 45 ℃

> 3 months: 22 to 28 ℃

* Charging Temperature

0 to 40 ℃

* Max Charging Power

180 W