Matrice 300 Series DJI Smart Controller Enterprise

DESCRIPTION

DJI Smart Controller Enterprise features an integrated 5.5-inch 1080p high-brightness monitor that is clearly visible in sunlight outdoors. To facilitate teamwork, it provides an advanced dual-control mode. Two manipulators not only can control the same drone, but also can switch control over the drone or load between each other. Pilot your Matrice and its gimbal camera with this Smart Controller Enterprise for Matrice 300 RTK from DJI. Compatible with the Matrice 300 RTK drone, this controller utilizes OcuSync technology to transmit instructions from up to 9.32 miles away. It can also receive and display drone camera footage on a built-in 5.5" FHD (1920 x 1080) display. The controls provide twin sticks and buttons to operate an array of functions, such as RTH, flight pause, and flight mode selection.

KEY FEATURES

- •For Matrice 300 RTK Drones
- •Provides Piloting & Gimbal Control
- •Up to 9.32 Mile Range via OcuSync
- •Stream Drone Footage on 5.5" FHD Display
- •Return-to-Home & Flight Mode Functions
- •HDMI Port to Output Drone Footage
- •Up to 4.5 Hours of Operation
- •Supports Dual-Band Wi-Fi 5 (802.11ac)
- •Supports Bluetooth 4.2
- •Neck Lanyard Included

ADDITIONAL FEATURES

- Output drone footage to an external display via the remote's HDMI port
- Up to 2.5 hours of operation via the built-in battery, or up to 4.5 hours when used with the included WB37 external battery

- Wireless support for Bluetooth 4.2 and dual-band Wi-Fi 5 (802.11ac)

- Go hands-free when needed while still keeping the remote at the ready with the included lanyard

- Built-in storage slot for an included extra pair of control sticks

- Integrated carry handle

SPECIFICATION

Dimensions: 178×164×108 mm

Weight: ~ 885 g (2 lbs) (without external battery)

~ 1.054 kg (2.3 lbs) (with external battery)

Memory: 32GB ROM + 4GB RAM

Charging Ambient Temperature: 5 ~ 40°C (41 ~ 104°F)

Detail Specifications

Display
Size: 5.5"
Resolution: 1920 x 1080
Brightness: 1000 cd/m2

Maximum Transmission Distance
NCC / FCC: 9.32 Miles / 15 km
CE / MIC: 5 Miles / 8 km
SRRC: 5 Miles / 8 km

Transmission Power
2.4 to 2.4835 GHz: 29.5 dBm (FCC), 18.5 dBm (CE), 18.5 dBm (SRRC), and 18.5 dBm (MIC)
5.725 to 5.850 GHz: 28.5 dBm (FCC), 12.5 dBm (CE), and 20.5 dBm (SRRC)

Battery Life
Built-In Battery: Up to 2.5 Hours
Built-In Battery with WB37 Battery: Up to 4.5 Hours

Built-In Battery
Type: 18650 Li-Ion
Capacity: 5000 mAh
Battery Life: Up to 2.5 Hours
Voltage: 7.2 V
Charge Type: Supports USB Charger Rated 12 V / 2 A
Rated Power: 17 W
Charge Time: Up to 2 Hours 15 Minutes (Using a USB Charger Rated 12 V / 2 A)

External Battery Compatibility
Model: WB37 Intelligent Battery
Capacity: 4920 mAh
Battery Life: Up to 4.5 Hours (With Built-In Battery)
Voltage: 7.6 V
Type: LiPo

Charging
Up to 2 Hours and 15 Minutes

100 to 240 VAC
USB Type-C

Ports and Slots
HDMI
USB Type-A
microSD

Storage
32 GB

Memory
4 GB

Bluetooth
Protocol: Bluetooth 4.2
Operation Frequency Range: 2.4 to 2.4835 GHz
Transmitter Power (EIRP): 4 dBm (FCC), (CE), (SRRC), and (MIC)

Wi-Fi
Protocols: Wi-Fi Direct, Wi-Fi Display, Wi-Fi 5 (802.11ac), and Wi-Fi with 2x2 MIMO
Operation Frequency Range: 2.4 to 2.4835 GHz, 5.15 to 5.25 GHz, and 5.725 to 5.850 GHz
Transmission Power (EIRP) 2.4 to 2.4835 GHz: 20.5 dBm (FCC) (MIC), 18.5 dBm (CE) and (SRRC)
Transmission Power (EIRP) 5.15 to 5.25 GHz: 14 dBm (FCC), (CE), (SRRC), and (MIC)
Transmission Power (EIRP) 5.725 to 5.85 GHz: 18 dBm (FCC) (SRRC), and 12 dBm (CE)

GNSS
GPS and GLONASS

Power Supply
Power Supply Voltage/Current (USB Type-A): 5 V / 1.5 A

Operating Temperature
-4 to 104°F / -20 to 40°C

Storage Temperature
Less Than One Month: -22 to 140°F / -30 to 60°C
One Month to 3 Months: -22 to 113°F / -30 to 45°C
3 Months to 6 Months: -22 to 95°F / -30 to 35°C
Over 6 Months: -22 to 77°F / -30 to 25°C

Charging Temperature
41 to 104°F / 5 to 40°C

PACKAGE

Controller × 1
WB37 intelligent battery × 1
USB charger × 1
USB-C cable × 1
Dual USB-A cable × 1
Controller brace × 1
Backup joystick (pair) × 1
Backup joystick dust shield ×1
Document × 1