Parachute system & circuit breaker – DJI Matrice 300 RTK

Ref. FLYSAFE-M3P   Attestation of conception n°B/882-NO/NAV

The new system for Matrice 300 RTK is safe and lightweight. It includes an ultra-fast double parachute, a circuit breaker, an alarm and a secure radio transmitter, fixed to the DJI Smart Controller Enterprise radio control system. In few seconds the parachutes can be removed, allowing the DJI Matrix 300 RTK to be folded back into its original case.

The centre of gravity of the Matrice 300 RTK is preserved.

For a totally infallible system, the parachutes are redundant. When the parachutes are released, the DJI M300 RTK lands straight down to avoid the breakage of an arm or landing gear. Functions correctly from a height of 10 metres thanks to the pyrotechnical technology taken from ULM.

The very low coefficient of penetration in the air means that no vibrations are generated at high speed, thus maintaining perfect flight behaviour. No alteration of the DJI Matrice 300 RTK sensors.

Reliable, robust and lightweight high-tech materials.

The assembly and disassembly of the system is possible by the customer. The system does not affect the integrity of the DJI Matrice 300 RTK. The DJI manufacturer's warranty is preserved.

Fits in the original case of the Matrice 300 RTK.

The safest system available for DJI Matrice 300 RTK
Redundancy of parachutes.
Redundancy of cutt-off electronics.
Bidirectional and encrypted communication between remote control and onboard module.
Quality control checks: each system is fully tested before shipping.

Technical specifications

Weight of the complete system: 710g

Impact energy: 64 Joules @ 8kg

Redundancy of the power cut-off electronics

Double release button on the remote control

Encrypted frames - checksum to authenticate the frame. Association in both directions. Logs on micro-sd.

Remote control autonomy of 40 hours (1800mAh lipo battery rechargeable by micro-USB)

Auto power Off (after 30 minutes without connection)

Battery tension display on the remote control (4 LED)

Emergency power supply allowing parachutes to be deployed up until 1 minute after a loss of drone power

Powering on and off the remote control securely (like a DJI battery)

Possibility to pair up to 4 remote controls per drone

Warranty: 2 years (in accordance with the maintenance program)

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