

TECHNICAL SPECS



Draganflyer Commander with gyro stabilized camera mount carrying a 20.2 megapixel sensor with 30x optical zoom color camera with live digital video down-link system.

The Draganflyer Commander is a high endurance, dual battery, small Unmanned Aerial System (sUAS). The dual battery system provides extended flight time and increased safety. The Commander is ideal for Agriculture applications covering 100 acres on a single charge or Surveying, Aerial 3D modeling, Mapping, Search and Rescue or high endurance Public Safety applications.

Terrain Sensor:

A sophisticated terrain sensor is integrated into the aircraft to automatically perform precise take-off and landing procedures. The autopilot, terrain sensor and precision barometric pressure sensor work in concert with each other providing one of the finest altitude control system systems on the market.



Battery APP:

The status of a battery sitting on a shelf is often a mystery but no more. Commander flight packs feature a

wireless interface so simply placing your Android device over the battery will bring up the current status, health, and battery history.

Fail safe systems:

In the event of an excessively low battery condition or lost data link the helicopter will “auto-land” or “return to home” (RTH). RTH altitude is pre-programmed by the pilot in command to avoid unique obstacles for any given flight. The RTH flight path is a direct route to automatically land at the original take-off zone but at anytime, the pilot has the ability to manually take over.

Helicopter specifications

Dimensions:

- Width: 87.3cm (34.4in)
- Length: 87.3cm (34.4in)
- Top Diameter: 107cm (42in)
- Height: 29.46cm (11.6in)

Weight and payload:

- Helicopter w/battery: 2,750g (6lbs)
- Payload capacity: 1,000g (2.2lbs)
- Max take-off weight: 3,750g (8.26lbs)

Flight characteristics:

- Max climb rate: 2m/s (393.7ft/min)
- Max descent rate: 2m/s (393.7ft/min)
- Max turn rate: 90 degrees/sec
- Approx max air speed: 26.9knts (50km/h)
- Minimum air speed: 0km/h (0mph)
- Launch type: VTOL
- Max altitude ASL 2,438m (8,000ft)

Position navigation lights:

- 1 watt LED variable brightness
- Luminous flux at full brightness 40lm
- Standard aircraft colors Red, Green and White