



Technical specifications



HARDWARE

Wingspan	96 cm (37.8 in)
Weight (inc. supplied camera & battery)	Approx. 0.73 kg (1.61 lb)
Motor	Low-noise, brushless, electric
Radio link range	Up to 3 km (1.86 miles)
Detachable wings	Yes
Camera (supplied)*	WX RGB (18.2 MP)
Cameras (optional)	G9X, S110 NIR/RE, thermoMAP

SOFTWARE

Flight planning & control software (supplied)	eMotion
Image processing software (optional)	Pix4Dmapper Pro

OPERATION

Automatic 3D flight planning	Yes
Cruise speed	40-90 km/h (11-25 m/s or 25-56 mph)
Wind resistance	Up to 45 km/h (12 m/s or 28 mph)
Maximum flight time	40 minutes
Maximum coverage (single flight)	8 km ² (3 mi ²)**
Automatic landing	Linear landing with ~ 5 m (16.4 ft) accuracy
Multi-drone operation	Yes
Ground control points (GCPs) required	No
Oblique imagery	0 to -50°

RESULTS

Ground sampling distance (GSD)	Down to 1.5 cm (0.6 in) / pixel***
Absolute horizontal/vertical accuracy (w/GCPs)	No GCPs required
Absolute horizontal/vertical accuracy (no GCPs)	Down to 3 cm (1.2 in) / 5 cm (2 in)

*Optional in Turkey.

**Based on the following test conditions: target ground resolution of 30 cm (11.8 in) / pixel, no wind, moderate weather temp. (18 °C/64.4 °F), new fully charged battery, flight altitude of 1,000 m (3,280 ft) above ground level, take off at approx. sea level, take-off point in centre of desired coverage area.

*** Depends upon environmental conditions (light, wind, surface type).



eBee RTK includes:

- eBee RTK body (inc. all electronics & built-in autopilot)
- Pair of detachable wings
- WX RGB still camera (inc. SD card, battery, USB cable & charger)
- GNSS antenna
- 2.4 GHz USB radio modem for data link (inc. USB cable)
- Two lithium-polymer battery packs & charger
- Spare propeller
- Carry case with foam protection
- Remote control & accessories (for safety pilots)
- User manual
- eMotion software download key (accessible via my.senseFly at no extra cost)