

Hardware Datasheet

eBee Ag

Wingspan	116 cm (45.7 in)
Material	Expanded Polypropylene (EPP)
Underbody skin	Curv® Polypropylene thermoplastic composite
Weight (Empty)	0.8 kg
Max Take-off weight	1.6 kg
Backpack dimensions	75 x 50 x 29 cm (29.5 x 19.7 x 11.4 in)
Motor	Low-noise, brushless, electric
Detachable wings	Yes
Empty backpack weight	4.6 kg

Coverage & accuracy

Max. nominal coverage at 122 m (400 ft)	160 ha (395 ac) with Standard battery 200 ha (494 ac) with Endurance battery
Ground sampling distance at 122 m (400 ft)	2.8 cm/px (1.1 in/px) RGB 11.5 cm/px (4.5 in/px) Multispectral
Lowest ground sampling distance (42m)	1.1 cm/px (0.4 in/px) RGB 4 cm (1.6 in) Multispectral

High Precision

Upgradable on demand	Yes
RTK	Virtual Base Station, Base Station Unknown point, Base Station Known point
GNSS	GPS+GLONASS

Flight performance

Cruise speed	40-110 km/h (11-30 m/s or 25-68 mph)
Max wind resistance	Up to 46 km/h (12.8 m/s or 28.6 mph)
Landing type	Automatic linear landing (5 m/16.4 ft accuracy in 20° angle cone)
Service temperature	-15° to 40°C *
Humidity	Light rain resistance
Ground avoidance	Yes - LiDAR (range 120m)

*Working above 35°C/ 95°F requires to protect the drone from the sun while on the ground

Maintenance and service

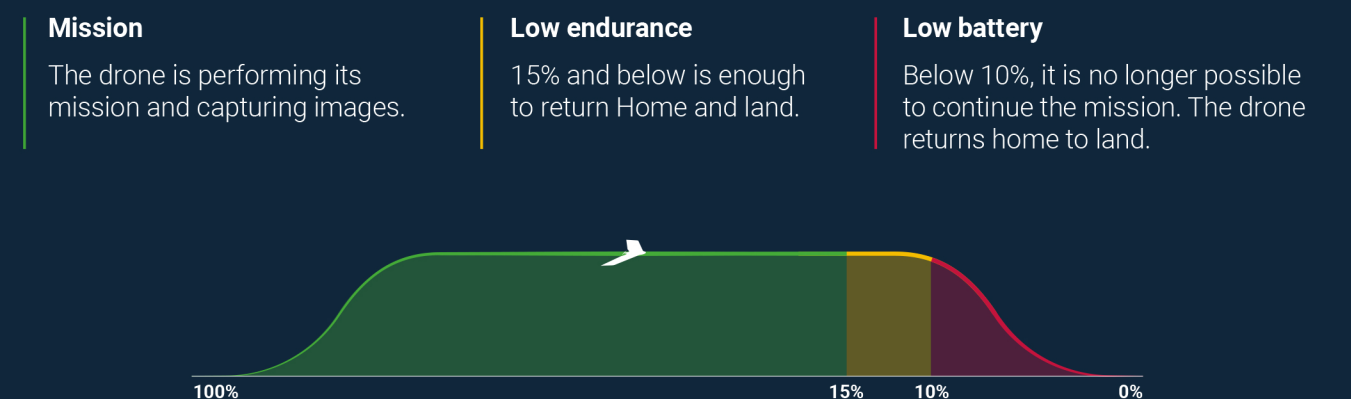
Spare Parts Available	Pitot Tubes, Wings, Propellers and vertical surfaces
Modular Repair	Auto Pilot Stack, Upper Body and Lower Body
Service	Every 100 flight hours

Battery	Standard	Endurance	Radio Link
Power	3700 mAh	4900 mAh	Certification
Voltage	15.2V	15.2V	Range
Number of cells	4 Cell	4 Cell	Frequency
Type	LiHV	LiHV	Encryption AES 254
Energy	56.24Wh	74.48Wh	EIRP
Weight	330g	420g	CE/JP 20.0 dBm max FCC 22.5 dBm max

How long can you fly with your eBee Ag?



Automatic safe return when the battery is low



The above figures represent optimal flight conditions. It is not representative of all flight times and will vary depending on flight conditions. Also note that the condition of the pitot tube can influence flight time.