

3DR Aero-M Specifications

v3

Autopilot:	3DR Pixhawk V2.4.5
Firmware:	ArduPlane 3.1.1
GPS:	3DR u-blox GPS with Compass (LEA-6H module, 5 Hz update)
Telemetry radio:	3DR Radio v2 (915 MHz or 433 MHz)
Motors:	Tiger Motor AT2820-7 830 kV
Frame:	Fixed wing
Propellers:	Gemfan 11x7
Battery:	4S 6000 mAh 35C lithium polymer
Aircraft weight (with battery):	6.8 lbs (3 kg)
Aircraft dimensions:	74 in (188 cm) wingspan, 51 in (129 cm) length
Case dimensions:	60.75 in x 14.5 in x 15.5 in (154 cm x 37 cm x 39 cm)
Payload capacity:	1.1 lbs (500 g)
Radio range:	.6 miles* (1 km)
Flight time:	40 min*
Maximum operational wind speed:	25 mph (11 m/s)
Landing accuracy:	6.5 ft latitude x 131 ft longitude (2 m x 40 m)
Recommended flight speed:	33 mph (15 m/s)
Camera:	Canon SX260 12.1 megapixel
Camera software:	3DR EAI 1.0
Area coverage (single flight):	250 acres* (1 km ²)
Orthomosaic accuracy:	3-16 ft (1-5 m)
Ground sampling distance:	2 inches per pixel* (5 cm per pixel)
Image processing software:	Pix4Dmapper LT 3DR Edition (Windows only)

*Figures reflect estimated values at ideal operating conditions. Environmental conditions can affect flight time, range, area coverage, and ground sampling distance.