

# Technical specifications

## HARDWARE

Wingspan	110 cm (43.3 in)
Weight	1.1 kg (2.4 lb)
Motor	Low-noise, brushless, electric
Radio link range	3 km nominal (up to <sup>1</sup> 8 km) / 1.86 mi (up to <sup>1</sup> 4.97 mi)
Detachable wings	Yes
Sensor (supplied <sup>2</sup> )	senseFly S.O.D.A.
Sensors (optional)	Parrot Sequoia, thermoMAP

## SOFTWARE

Flight planning & control software (supplied)	eMotion 3
Image processing software (optional)	Pix4Dmapper

## OPERATION

Automatic 3D flight planning	Yes
Cruise speed	40 -110 km/h (11-30 m/s or 25-68 mph)
Wind resistance	Up to 45 km/h (12 m/s or 28 mph)
Maximum flight time	59 minutes
Automatic landing	Linear landing with ~ 5 m (16 ft) accuracy
Ground control points (GCPs) required	No (RTK/PPK activated), optional (RTK/PPK unactivated)
Hand launch (no catapult required)	Yes

## RESULTS

Nominal coverage <sup>3</sup> at 120 m (400 ft)	2.2 km <sup>2</sup> (0.85 mi <sup>2</sup> )
Maximum coverage <sup>4</sup>	40 km <sup>2</sup> (15.4 mi <sup>2</sup> )
Ground Sampling Distance	Down to 1 cm (0.4 in) / pixel
Absolute X, Y, Z accuracy (RTK/PPK activated or w/GCPs)	Down to 3 cm (1.2 in) / 5 cm (2 in)
Absolute X, Y, Z accuracy (no RTK/PPK, no GCPs)	1-5 m (3-16 ft)

## senseFly S.O.D.A.

Sensor type	RGB (20 megapixel)
Sensor size	1-inch
Pixel pitch	2.33 µm
Shutter	Global
Ground resolution (at 122 m/400 ft AGL)	2.9 cm/px (1.1 in/px)
Dust & shock protection	Yes

<sup>1</sup> in ideal conditions

<sup>2</sup> optional in Turkey

<sup>3</sup> flight height above ground level; results excl. reconstructible zone around planned area

<sup>4</sup> based on 2,000 m (6,562 ft) flight altitude above ground level; results incl. reconstructible zone around planned area