



UNMANNED SYSTEMS

Elios 2

Applications
Handheld

Types
Metal detectors (MD)

Last update
01/01/1970

General description

The Elios 2 from Flyability is a drone specifically designed to operate in confined spaces and GPS denied environments. For operations in conflict or post-conflict environments, the Elios 2 is a game-changer. Data collected can be key to a wide audience of stakeholders. Whether operating under conflict or post-conflict conditions, critical infrastructure surveillance is essential. Specialist engineers and managers can utilize the Elios 2 data to gauge damage to structures, serviceability of equipment, and resources needed to restore services to normal. For those dealing with explosive remnants of war, Elios 2 provides key data in threat assessments ahead of clearance operations. In the case of assessing damage to buildings, civil engineers can utilize Elios 2 flights to assist in determining the structural integrity of the building(s) or components of buildings.

Working characteristics

Flyability's Elios 2 is a quadcopter offering unparalleled maneuverability and data capture for specialist requirements. Housed in a collision resilient cage, it operates a 4K and thermal camera side by side, with the option to live stream fly. In-flight stability is augmented using the drone's own stability sensors. For accuracy of data capture, a distance lock to the target surface can be engaged. The Elios 2 has 3 modes: ASSIST - Assist mode ATTI - Attitude mode SPORT - Sport mode Post-flight, using Flyability's own software, written reports can be augmented to include points of interest, 2D measurements, and 3D models.

Power supply data

Battery	LiPo 5S Hv Smart Battery
Low battery alert	1
Low battery alert information	17.5%
Rechargeable	1
Operating time	1.5 hours
Operating time information	10 minutes
Battery charger provided	1
Battery charger information	Flyability's charger comes with a built-in power supply. You can connect the AC power cord to the 100- 240V AC socket directly.

Dimensional data

Length	400 mm
Weight	1.45 kg
Transport case provided	1
Transport case information	IATA compliant for checked-in luggage
Transport case weight	11.5 kg
Case dimensions	61 x 44 x 53 cm

Factory support data

Factory support	Troubleshooting and general inquiries can be accessed via email or telephone. Details can be found at: https://www.flyability.com/contact/ Flyability has local Authorised Service Centers around the world which can provide customer support with the fol
Warranty	Elios 2 comes with either a 12-month warranty or a 24-month warranty (Professional Package). The warranty covers all the malfunctions that could occur during the life of the product, arising from software or equipment included in the package. Conditions a
Humidity (limitations)	Splash and dust resistant
Temperature limitations	0 °C to 50 °C1 * (32 °F to 122 °F)

Price

Reduction for higher quantity	Contact info@flyability.com for details
Price for training	Contact info@flyability.com for details

Other

Additional equipment	Range extender: 20m length to extend the range of the drone
Other models	Elios 2 RAD: designed to detect and map indoor radiation sources.

Technical data

Maximum speed	3.6 km/h
Maximum speed mode	Attitude (ATTI) mode
Max trop duration (no wind)	10 minutes
Max hovering duration (no wind)	10 minutes
Max flight distance (no wind)	100 m
Max wind speed resistance	3 km/h
Operating frequency	2.4 GHz
Flight / trip planning software	1
Live data transmission	1
Image processing software	1

Other information

Images

