FLYABILITY ELIOS 2 UAV model 107324

GCS model 108060

ORIGINAL INSTRUCTIONS

VERSION 1.03 27/10/2021

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FCC COMPLIANCE NOTICE

This equipment must be installed and operated in accordance with provided instructions and the antenna(s) used for this transmitter must be installed to provide a separation distance of at least 20 cm from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter. End-users and installers must be provided with antenna installation instructions and transmitter operating conditions for satisfying RF exposure compliance.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- 1. This device may not cause harmful interference, and
- 2. This device must accept any interference received, including interference that may cause undesired operation.

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

FCC RF EXPOSURE INFORMATION

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. In order to avoid the possibility of exceeding the FCC radio frequency exposure limits, human proximity to the antenna shall not be less than 20cm during normal operation.

DISCLAIMER

Terms with initial capital letters shall have the following meanings:

- "Agreement"...... means the conditions of use of this Original Instructions and any other agreement between You and Flyability per which the Product has been delivered to You, including but not limited to Flyability's General Terms and Conditions.

All rights related to this document and all information it containes are the property of Flyability. REPRODUCTION, USE OR DISCLOSURE TO THIRD PARTIES WITHOUT PRIOR WRITTEN PERMISSION FROM FLYABILITY IS STRICTLY PROHIBITED.

By using the Products, software and systems of Flyability, You fully accept and consent, without reserve, Flyability's warranty and liability terms as stated below and all other terms and conditions agreed between You and Flyability.

1. Product limited warranty

By using the Product, You hereby signify that you have read, fully understood and agreed to this disclaimer and the original instructions, and You agree that the Product:

- (i) Can only be operated by a Flyability Certified ELIOS 2 Pilot and, if required by laws, with other drone pilot licenses or any other certification necessary to pilot ELIOS 2; and
- (ii) Presents a risk of physical injuries if wrongly used; and
- (iii) Presents a risk of damaging Your and Third-parties' property if wrongly used; and
- (iv) May be unfitted to Your needs and purposes; and
- (v) Is intended to be used by Flyability Certified ELIOS 2 Pilot for industrial and professional purposes only; and
- (vi) Should not be used under the influence of alcohol, drugs or any substances that may impair cognitive abilities; and
- (vii) Is subject to local regulations that could prevent its use.

You shall pursue available remedies to You according to the Agreement. The warranty shall exclude defects due to misuse, non-observation of the Original Instructions, moisture or liquids, explosive gas, proximity or exposure to heat at temperatures exceeding the operating temperature of 50 degrees Celsius, excessive strain, abuse, neglect, misapplication, repairs or modifications made by anyone other than Flyability or certified by Flyability. There are no express or implied warranties, representations or conditions other than those stated in this limited warranty and the Agreement. The remedy set forth herein and in the Agreement shall be the sole, exclusive remedy with respect to the Product.

2. Product liability

IN NO EVENT OR UNDER ANY CIRCUMSTANCE, UNLESS EXPRESSLY STATED IN THE AGREEMENT, SHALL FLYABILITY SA, ITS DIRECTORS, OFFICERS OR EMPLOYEES BE LIABLE TO YOU OR TO ANY THIRD PERSON CLAIMING RIGHTS DERIVED FROM YOUR RIGHTS, IN CONTRACT, TORT OR OTHERWISE, FOR INDIRECT, SPECIAL, INCIDENTAL, EXEMPLARY, PUNITIVE OR CONSEQUENTIAL DAMAGES OF ANY KIND WHATSOEVER EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGES INCLUDING, BUT NOT LIMITED TO, ANY DAMAGES CAUSED BY YOU OR A THIRD PARTY WHILE OPERATING OR USING THE PRODUCT, ANY DAMAGES CAUSED BY FAILURE OF THE ELECTRONICS OR SOFTWARE, ANY LOSS OF REVENUE, LOSS OF PROFIT, OR LOSS OF DATA WHETHER BASED UPON ANY ALLEGED BREACH OF WARRANTY, REPRESENTATION OR CONDITION, CONTRACT, OR ANY OTHER CONDUCT INCLUDING NEGLIGENCE (INTENTIONAL OR OTHERWISE), GIVING RISE TO SUCH CLAIMS. A Party who relies on a breach of the other Party'S obligations under this Agreement, shall take any and all reasonable measures in the circumstances to mitigate the consequences, including loss of profit, resulting from the breach. If it fails to take such measures, the Party in breach may claim a reduction in the damages in the amount by which the consequences should have been mitigated.

YOU SHALL NOT OPERATE THE PRODUCT IN AREAS OR UNDER CIRCUMSTANCES WHERE A FAILURE COULD CAUSE DAMAGES AND/OR HARM TO OBJECTS AND/OR PEOPLE. YOU SHOULD HAVE READ AND UNDERSTOOD THE ORIGINAL INSTRUCTIONS COMPLETELY BEFORE OPERATING THE PRODUCT. ANY DAMAGE AND/OR HARM ARISING FROM NOT ACCURATELY FOLLOWING THE PROCESSES AND GUIDANCE FROM THE ORIGINAL INSTRUCTIONS SHALL BE THE SOLE RESPONSIBILITY OF THE OPERATOR OF THE UAV.

ALL USE OF THE PRODUCTS IS UNDER YOUR SOLE RESPONSIBILITY, INCLUDING BUT NOT LIMITED TO, THE COMPLIANCE WITH APPLICABLE LAW AND REGULATIONS OF THE COUNTRY IN WHICH THE PRODUCT IS OPERATED.

3. Data storage and usage

When You use the tablet application or any other software provided by Flyability, data regarding the use and operation of the product, such as flight telemetry data (e.g. battery life, altitude, hard-ware identification) and operations records may be automatically or manually uploaded to a Flyability designed server.

The provided data does not include personal data (e.g. name, address) but does include identification data, such as the pilot's user name, which may be stored by Flyability. By using the product, the tablet application or any other software distributed by Flyability, or by manually providing data to Flyability, you consent to:

- (i) Our storage of any telemetry data and other data uploaded or provided to us, including your user name; and
- (ii) Our use of any such data uploaded or provided (including your user name) in connection with providing support and services to You and to improve our products.

Authorizations and regulations

SOME COUNTRIES MAY HAVE LAWS THAT LIMIT OR PROHIBIT THE USE OF UNMANNED AIRCRAFT. YOU ARE SOLELY RESPONSIBLE FOR SECURING ALL AUTHORIZATIONS, CERTIFICATIONS AND LICENSES REQUIRED FOR THE USE OF THE PRODUCT. FLYABILITY SA DOES NOT PROVIDE ANY LEGAL ADVICE OR COUNSELING AND UNDER NO EVENT SHALL BE LIABLE FOR ANY INFRINGEMENT OF ANY APPLICABLE LAW BY YOU.



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1 Safety

Read carefully and understand these important safety instructions before flying to prevent any risk of accident and serious injuries.

1.1 Operation Safety Rules

During operation and missions, please observe the following rules. Make sure people around you have been briefed about safety accordingly.



- Everyone surrounding the operation, pilot included, must wear eye, ear, and head protection, and must have protective gloves in vicinity. No one involved in the operation should wear jewelry, loose clothing. Long hair should be tied back for safety.
- 2. Apart from the camera operator, the spotter, or the inspector, no one should talk to the pilo, as this may reduce concentration.
- 3. When the propellers are spinning, the aircraft must not be touched. If not applicable, make sure the aircraft is stable, touch only the aircraft's protective cage with your hands wide open and your fingers straight to prevent any of them from entering the cage. You must wear protective gloves to touch the aircraft if the propellers are spinning.
- 4. Avoid any presence of people directly below the aircraft and do not fly close to people.
- 5. Possibly hazardous optical radiation may be emitted from this product. Do not look at LEDs while they are in operation as this may result in eye injury.
- 6. In case of an accident, do not try to catch the falling aircraft. Your safety is more important than the aircraft.
- 7. The area around the pilot, in addition to the takeoff and landing area, should all be free from people and obstacles.

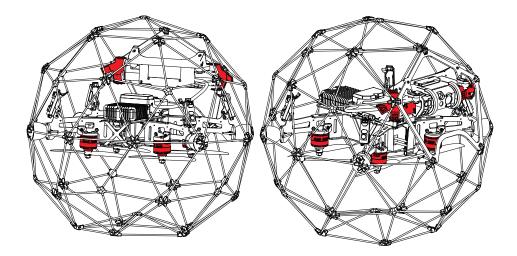


1.2 General Guidelines

- 1. The pilot MUST be a Flyability Certified ELIOS 2 Pilot and, if required by laws, hold the required drone pilot licenses or any other certification necessary to pilot ELIOS 2.
- A damaged propeller may break, and pieces of the broken blade can become dangerous projectiles and reduce the aircraft's reliability. Replace the propeller if it is broken, cracked, bent, or damaged in any way. Operators and surrounding personnel MUST wear safety glasses.
- Debris can be ejected at high velocity from the aircraft propulsion. Operator and surrounding personnel MUST wear safety glasses.
- 4. The pilot should always act according to his or her best judgment, focusing on the safety of the people and the environment he or she is flying in. The pilot MUST brief every personnel attending or surrounding the flight about safety. While piloting, the pilot should not move as it may cause him to slip, trip or fall causing personal injuries.
- DO NOT fly over or near people or moving vehicles. Always give way to other aircraft. Watch out for low flying helicopters.
- 6. Operating the ELIOS 2 system can be stressful, tiring and lead to muscular fatigue. The controller is equipped with a hook. Use the provided controller strap to relieve your muscles. Doing so will also help you avoid dropping or damaging the ground control station.
- 7. During a flight, parts of the aircraft can become very hot. Wait 3 minutes after disarming for the drone to cool down and access the battery. If time is a constraint, you may use protective gloves to change the battery during the cooling period.
- 8. Using the LED pulsing light on ELIOS 2 can be tiring and stressful for the pilot and surrounding personnel. It can also trigger a seizure in a person with epilepsy.
- 9. The front module contains magnets that can disrupt the proper functioning of medical devices or disturb certain electronic devices in the immediate area.
- 10. DO NOT use ELIOS 2 under the influence of alcohol, drugs or any substances that may impair cognitive abilities.
-]]. A risk assessment MUST be performed before every flight.
- 12. The pilot MUST always go through the checklists before, during and after each flight.
- 13. ELIOS 2, like any remotely piloted aircraft system, must be operated per the laws of the country it is used in. It is the sole responsibility of the pilot to be informed of the applicable restrictions. If you are flying in a public environment or around people, make sure to respect the rules of flight in line of sight.
- 14. Use only provided Flyability parts, genuine Flyability parts, or parts certified by Flyability. Using other devices or parts in combination with ELIOS 2 (e.g., batteries, propellers, etc.) or performing unauthorized modifications may result in the system malfunctioning and/or compromise safety.
- 15. It is strongly recommended to avoid any operation inside the aircraft's cage when the battery is plugged in, except turning off the aircraft (unplugging the battery).
- 16. DO NOT wear jewelry, loose clothing or long hair when operating ELIOS 2 or being in its vicinity.
- 17. Under no circumstances should objects, fingers or any other body parts enter the aircraft's protective cage while the drone is armed (i.e., when the propellers are spinning). It may result in severe injuries for the person and damage the aircraft.
- 18. DO NOT perform the arming sequence or arm the aircraft (i.e., make the propellers spin) before and during the removal or insertion of the battery or if objects, fingers or any other body parts are inside the protective cage.
- 19. When the propellers are spinning, the aircraft must not be touched. If not applicable, make sure the aircraft is stable, touch only the aircraft's protective cage with your hands wide open and your fingers straight to prevent any of them from entering the cage. You must wear protective gloves to touch the aircraft if the propellers are spinning.
- 20. Propellers have sharp edges; protective gloves MUST be worn while changing a propeller.



- 21. If the aircraft is unresponsive due to malfunction, perform the disarming sequence and DO NOT try to insert your hand or fingers into the cage until 1 hour after the incident. Wear protective gloves to disconnect the battery.
- 22. After a strong crash (i.e. more than 1m free fall), do not touch the aircraft as it may explode or catch fire. If the aircraft is in an enclosed place, or near to an explosive or flammable environment, you may carefully place it in a properly ventilated area. The aircraft must remain under supervision. A risk assessment should be performed prior to taking any actions.
- 23. It is recommended to use only transport cases approved by Flyability.
- 24. Read carefully the Battery Safety Guidelines and the Quick Start Guide before using the ELIOS 2 system.
- 25. After a flight, wait 3 minutes before touching the parts highlighted on the drawing below:
 - a. Motors
 - b. Lighting system heatsink





1.3

Environmental Awareness

Always fly within the listed conditions. It will reduce incident and damage to the aircraft.

- 1. Do not fly close to people.
- 2. ELIOS 2 is not waterproof. Do not fly under heavy rain/snow or in humid environments. Moisture can seriously damage the electronics of ELIOS 2.
- Store the ELIOS 2 system in a dry environment between 0°C and 30°C protected from sunlight.
- 4. Avoid flying in dusty or sandy environments or environments subject to vapor or gas. If not applicable, avoid flying close to people. Have yourself and surrounding personnel wear eye protection and respiratory protection as the propulsion system may blow dust, vapor or gas towards you or other personnel. Do not forget this topic in your risk assessment. Note that mechanical parts may deteriorate more rapidly in dusty or sandy environments.
- 5. Even if the cage protects the aircraft, small objects can penetrate the cage and damage the aircraft. Be sure while flying that protruding objects and/or any falling objects do not go through the cage as they might break the propellers, damage the aircraft, or create high-velocity projectiles. In case of doubt, performing a risk assessment is recommended and eye protection MUST be worn.
- 6. Flying in low-density atmospheres (such as at high altitudes above sea level) might reduce flight time and the stability of the aircraft.
- 7. The wind has severe effects on ELIOS 2. If the wind is higher than 3m/s, it should be piloted in **Sport mode**. In this mode and/or with the wind higher than 3m/s, Flyability cannot guarantee ELIOS 2's ability to sustain a collision. With the wind above 5m/s, Flyability cannot guarantee the stability or flying capability of ELIOS 2.
- 8. Very cold temperatures lead to reduced flight times. Do not fly in temperatures below 0°C. If you need to fly within a temperature below 10°C, heat the batteries prior to use with a battery warmer bag and observe safe practices as described in the Battery Safety Guidelines.
- 9. Hot temperatures above 40°C will interfere with the battery performances. The pilot should observe the safe practices regarding the battery described in the Battery Safety Guidelines. Also, Flyability cannot guarantee the collision sustainability of the aircraft above 40°C. The Pilot assist performance may diminish. The maximum power of the lighting system will reduce for the system safety. The aircraft should not be left switched on without propellers spinning in temperature above 40°C, the electronics need to be cooled down by the airflow generated by the propulsion system. In such temperatures, use gloves for changing the battery or wait for at least 10 minutes for the drone to cool down in a zone where the temperature is below 30°C. Pay extra attention to not touch the lighting system heatsinks or the motors during the cooldown period.
- 10. Flyability cannot guarantee the aircraft flight capability and stability if not used in temperatures from 0°C to 50°C.
- 11. It is not recommended to operate the aircraft close to power lines, power transformers or other areas with high electromagnetic disturbances as these may cause severe effects on the sensors and transmission system, impacting the aircraft's stability and flying capability.
- 12. The aircraft propulsion system makes loud noises. Wearing ear protection is mandatory when flying in enclosed areas or when the aircraft is operating close to personnel.
- 13. If you are flying in a confined or enclosed place, avoid being inside this environment with the aircraft flying. Do not forget this topic in your risk assessment.
- 14. Avoid flying in a biohazard environment. If not applicable, avoid flying close to people and have yourself and surrounding personnel wear eye protection and respiratory protection as the propulsion system may blow contaminated particles to you. Also, wear gloves and appropriate protection while manipulating the aircraft and its equipment until further decontamination. Do not forget this topic in your risk assessment.



15. ELIOS 2 should not be used in or near explosive or flammable environments.

1.4 Maintenance guidelines

To ensure a safe and reliable product, the user is asked to observe the following preventive actions:

- 1. Change pentagons anytime damage is present.
- 2. A damaged propeller may break, and pieces of the broken blade can become dangerous projectiles and reduce the aircraft reliability. Replace the propeller if it is broken, cracked, bent, or damaged in any way.
- 3. Change the propeller after 10h of flight.
- 4. Change the motor after 25h of flight.



2 Checklists

The checklists are a proposed workflow to help operate the ELIOS 2 system in a safe and efficient manner.

2.1 Mission Planning Guidelines

This checklist presents the steps that must be followed while planning an operation.

1. Has the Method Statement been filled?

The Method Statement (MS) is a document specifying all the different steps that will be performed during the inspection. It will also specify all the required equipment to fulfill the mission. The "Method Statement – Template" document offers a template to establish your own.

2. Has the Risk Assessment been filled?

The Risk Assessment (RA) is a document specifying all the risks that can occur during the progress of the mission. It states as well the mitigation that can be made to limit risks. The "Risk Assessment – Template" document offers a template to establish your own.

3. Is the environment in which the ELIOS 2 will be operated safe?

ELIOS 2 is sensible to its surroundings. The mission environment must comply with the limitation presented in the "Environment Awareness" section contained in the Original Instructions. The presence of dangerous elements must have been stated in the RA and MS documents.

4. Is there any biological hazard?

If the ELIOS 2 is flying in environments that can present biohazard (sewer, pandemic area, etc.), the risk should be listed within the MS or RA and appropriate measures must be taken (gloves, eye protection, mask, etc.).

5. Do you have adequate Personal Protective Equipment (PPE)?

The following PPE must always be worn:

- Eye protection.
- Ear protection.
- Hard hat.
- Have protective gloves in the vicinity.
- You must be aware of the effects of operating ELIOS 2 in your working environment and dress accordingly:
- If the environment is dusty, wear respiratory protection.
- If the environment contains hazardous elements, wear the corresponding PPE.

Those statements must have been defined in the MS document.

6. Do you have the proper flight authorization?

If you perform an outdoor flight, depending on the area and on the country in which you will conduct your flight, you will need a specific authorization. Contact the aeronautical agency in place in your country for more information.

7. Use of the aircraft

Flyability products are NOT listed as dual-use products. Ensure the system is not used with the intent to harm.



2.2 Aircraft Inspection

The aircraft inspection checklist ensures the ELIOS 2 is suited to fly. It should be made before each flight and after having transported the ELIOS 2. Remember the acronym **PEACE**.

PROPELLERS.....TIGHT

Propellers are tight on the motors. Use the issued 1.4Nm torque screwdriver to re-tighten the nuts before flight

Check whether the motors rotate freely to make sure no dust, sand, or particles are inside

AIRCRAFT.....CLEAR OF DAMAGE

Visually inspect the aircraft to make sure it is free from damage. Pay great attention to carbon parts and the propellers.

CAMERA LENS AND SENSORS......CLEAN

Clean the camera lens and the sensors using the lens cleaner. It will ensure a better quality for your footage and an increased stability of the aircraft. Check the camera lens for fog or condensation.

ELECTRICAL SUPPLY......UNDAMAGED | SECURED |

PLUGGED

The battery is fully charged, visually in proper condition, and secured with the Velcro strap. The connector is fully and securely inserted.



2.3 Take-off Checklist

Perform the take-off checklist before each flight. Remember the acronym SAFE.

SAFETY BRIEFING PERFORMED

All personnel surrounding the operation have been briefed about safety using the Basic Safety Rules whilst in operation and are aware that they should avoid perturbing the pilot.

AIRCRAFT CHECKED

The aircraft inspection ensures the ELIOS 2 is ready to fly.

FLIGHT PLAN......DONE

The flight plan ensures that the ELIOS 2 will fly in a safe environment and will gather data in a consistent way.

Environment......Checked

Make sure you are flying in a safe environment complying with the limitation of the system as stated in the Environmental Awareness.



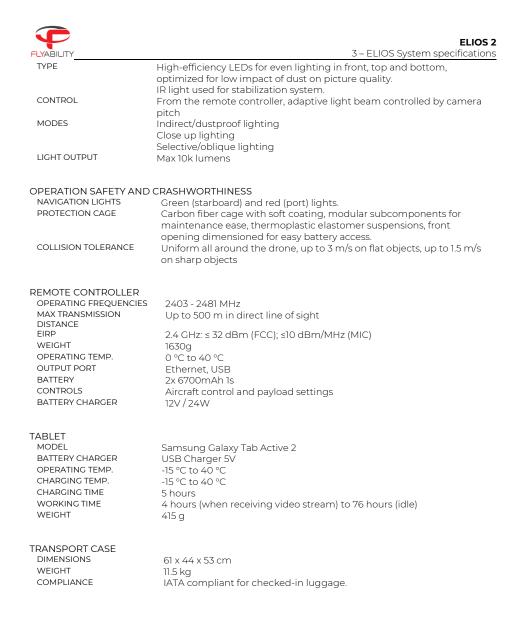
3 ELIOS System specifications

AIRCRAFT	
CONFIGURATION	Quadcopter
DIMENSIONS	Fits in a < 400 mm sphere; 15.75 in
MOTORS	
MOTORS	4 fast reversing electric brushless motors
MOTOR POWER RATING	120W average power, 750W nominal peak power
PROPELLERS	4 propellers, 5 inches
TAKE-OFF WEIGHT	< 1450 g; < 3,2 lbs.
	Includes battery, payload & protection
MAX FLIGHT TIME	Up to 10 min
MAX ASCENT SPEED	1.3 m/s; 4.3 ft/s
MAX DESCENT SPEED	1.3 m/s; 4,3 ft/s
MAX SPEED	1.3 m/s (Assist mode); 4,3 ft/s
	4 m/s (Atti mode); 13 ft/s
	6.5 m/s (Sport mode); 21 ft/s
MAX PITCH/ROLL ANGLES	
MAX PITCH/ROLL ANGLES	0.15 rad (Attitude mode)
	0.2 rad (Assist mode)
	0.3 rad (Sport mode)
MAX WIND RESISTANCE	3 m/s (Assist mode); 10 ft/s
	5 m/s (Sport mode); 16,4 ft/s
FLIGHT CONTROL SENSORS	IMU, magnetometer, barometer, 7 vision and distance sensors
MATERIALS	Carbon fiber composites, magnesium alloy, aeronautical grade
	aluminum, high-quality thermoplastics
OPERATING TEMP.	
	0 °C to 50 °C ¹ * (32 °F to 122 °F)
FLIGHT MODES	ASSIST - Assist mode
	ATTI - Attitude mode
	SPORT - Sport mode
FAIL-SAFE	Auto-landing on signal lost
	Forced-descent when battery critically low
OPERATING FREQUENCY	2403 – 2481 MHz
EIRP	
INGRESS PROTECTION	2.4 GHz: ≤ 32 dBm (FCC); ≤10 dBm/MHz (MIC)
	Splash and dust resistant
NOISE LEVEL	99 dB(A) hover
	120 dB(A) max @ 1m
SMART BATTERY	
RATED CAPACITY	5200 mAh
NOMINAL VOLTAGE	19 V
BATTERY TYPE	LiPo 5S HV Smart Battery:
	- Improved safety (protection for: overcharge, overcurrent, over/under-
	temperature)
	- Plug-and-play charging
	- Self-balancing
	- Storage self-discharge
	- Cycle counter
	- Battery ID
ENERGY	98.8 Wh
CHARGING TIME	1.5 h
BATTERY CHANGE TIME	<1 min
COMPLIANCE	Approved for carry-on luggage.
	Complies with IATA Dangerous Good Regulation.
NET WEIGHT	550 g ; 1.2 lbs
	5,

¹Additional precautions must be taken between 0-10°C and 40-50°C. Stability, flight performance and flight time might be reduced.

	ELIOS 2 3 – ELIOS System specifications
OPERATING TEMPERATURE CHARGING TEMPERATURE MAX CHARGING POWER CHARGER	0-50°C additional precautions must be taken between 0-10°C and 40-50°C. Stability, flight performance and flight time might be reduced. 10 - 40°C ; 50°F - 113°F 150 VA AC power Elios 2 Smart Battery Charger
PAYLOAD CHASSIS PAYLOAD HEAD CAMERA POD UPWARD TILT CAMERA POD DOWNWARD TILT PAYLOAD PROTECTION	Damped for vibrations +90 degrees -90 degrees Load limiting mechanism to protect the payload in the case of a frontal shock.
MAIN CAMERA SENSOR	1/2.3" CMOS Effective Pixels: 12.3 M
PHOTO FORMATS VIDEO FORMATS VIDEO RECORDING RESOLUTIONS VIDEO STREAMING RESOLUTION MOVIE FOV PHOTO FOV TOTAL VERTICAL FOV LENS CONTROL MODES FILE STORAGE	Sensitivity: Optimized for low light performance JPG MOV 4k Ultra HD: 3840 x 2160 at 30 fps FHD: 1920 x 1080 at 30 fps Max 720p 25 FPS 114° horizontal, 130.8° diagonal 118.8° horizontal, 148.6° diagonal approximately 260° including camera tilt 2.71 mm focal length Fixed focal Auto mode with manual EV compensation
SUPPORTED FILE SYSTEM	MicroSD card (onboard the aircraft) Min Capacity: 64GB Max capacity: 128 GB Recommended model: Sandisk Extreme micro SDXC UHS-I V30 exFAT
THERMAL CAMERA SENSOR VIDEO RECORDING RESOLUTION LENS SENSITIVITY (NEDT) TEMPERATURE RANGE WAVELENGTH (LWIR)	Lepton 3.5 FLIR 160 x 120 at 9 fps FOV 56° x 42°, Depth of field 15cm to infinity <50 mK -10°C to 140°C (14°F to 284°F) 8-14 µm
FILE STORAGE	MicroSD card (onboard the aircraft) Max capacity: 32 GB Recommended model: Sandisk Extreme micro SDXC UHS-I V30 FAT32

LIGHTING SYSTEM





COCKPIT SOFTWARE FEATURES	Real-time video and UAV telemetry, status visualization (remaining battery, payload settings, warnings, etc.), control payload settings and various configurations.
OPERATING SYSTEM	Android. Optimized for tablet provided with the ELIOS 2 system
INSPECTOR SOFTWARE	
FEATURES	Video and thermal video viewer (frame by frame), flight log analysis including point of interests recorded during flight, screenshots, and flight data export.
OPERATING SYSTEM	Windows 7, 8 and 10 (32 and 64 bits)



ELIOS 2 System transmitted Power

ELIOS 2 model 107324

FREQUENCY BAND TX MAXIMUM OUTPUT POWER

DESIGNATION OF EMISSIONS

TECHNOLOGY MODULATION TYPE FCC ID FCC: 500mW, 27dBm in 2.4GHz ISM band MIC: 50mW, 17dBM in 2.4 GHz ISM band Digital unidirectional video and data downlink to remote controller, command and data uplink to UAV OFDM, wideband OFDM

2ALM7M-MAGICKAYAKD2

2403 - 2481 MHz

GCS GOV model no. 108060

FREQUENCY BAND TX MAXIMUM OUTPUT POWER

DESIGNATION OF EMISSIONS TECHNOLOGY MODULATION TYPE FCC ID 2403 – 2481 MHz FCC: 500mW, 27dBm in 2.4GHz ISM band MIC: 50mW, 17dBM in 2.4 GHz ISM band Command and data uplink to UAV OFDM, wideband OFDM 2ALM7M-MAGICKAYAKRC2



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