



SKY EYE INNOVATIONS

SKY EYE A

THERMAL IMAGING

The Sky Eye A-Series UAV solution is customized to carry any of the Flir A-series cameras and is designed to take advantage of the cameras special thermal features to carry out inspections on all sorts of structures and environments.

Inspect infrastructure in less time, in a safer manner and more cost effectively than other inspection methods. Our UAV allows you to carry out inspections on the most challenging assets.

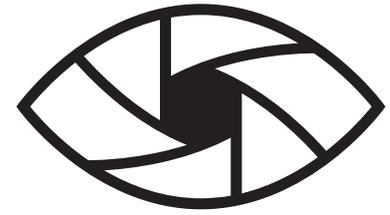
The UAV is equipped with an powerful onboard computer. To control the cameras functions we have combined software and hardware unique to Sky Eye Innovations. This technology allows you to control the cameras functions without relying on infrastructure like 3/4G or Wi-Fi connectivity. Instead you control the camera functions via the UAV operators radio control.

Specs:

- Height: 28 cm
- Width: 28 cm
- Lengths without propellers: 75 cm
- Lengths with propellers: 95 cm
- Diameter: 102 cm
- Weight with basic electronics: approx. 4100 g
- Maximum payload: 1500 g
- Recommended GvW (Gross Vehical Weight): : approx. 9500 g
- Operation temperature: --30 °C - +50 °C
- Operating speed: up to 15 m/s
- Rate of climb: 6 m/s
- Maximum thrust: 228 N

- **UNIQUE DUAL CHASSIS DESIGN**
and hydrodynamic vibration damping system
- **MOUNT 0,5-1,5kg CAMERAS**
with same superb results
- **Y6 DESIGN**
equals no propellers in pictures
- **FOLDABLE**
for easy transportation
- **DURABLE AND ROBUST**
design and extremely wind resistant
- **BRUSHLESS CAMERA GIMBAL**
stable in winds at 10m/s and above
- **DATALINK WITH TABLET CONTROL**
availability for waypoint and route mission planning





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TECHNICAL FEATURES

General

- Onboard computer
- Camera control software (licensed software)
- Spark proof connectors
- Weather protected Electronics: closed housing
- Position lights red, green and white
- Heat sensor – detect heat before it is to late

Power distribution board

- Serves the camera with power from the UAV

Video stream connectivity

- Onboard HD reference camera for Visual view
- Double video transmitters to switch between video sources
- Onboard SD-Card recorder for video stream recording
- SD-Card recording of video stream on the operators video monitor

Constructions

- Lightweight and highly durable
- GIO Composite plastic
- Gen 2 Carbon fiber

CAMERA CONTROL

FLIR camera control software:

- Easily control the camera directly from the flight control system
- Change camera settings like focus in flight for optimal image quality
- Record the radiometric data stream onboard the UAV for later analysis without any data compression and stream live video to the ground



READY TO WORK PACKAGE

With our Ready To Work packages the machine comes fully equipped with all parts needed to fully operate the machine and get started. Additional add-ons only needed for extra redundancy and scalability.

RECOMMENDED EXTRAS

- **WIRELESS HD VIDEO LINK**
Equip your UAV with long-range full-HD video transmission capabilities with zero latency. Encryption AES-128 & RSA 1024 for key Exchange
- **OVERPRESSURE ELECTRONIC CHAMBER**
Keep away from dust, sand and dirt. Weather protected enclosure with overpressure keeps dust away from the vital electronic Components.
- **COOLING SYSTEM WITH FILTERS**
Keeps the electronic cooled for optimal performance.
- **PARACHUTE SYSTEM**
Unique to Sky Eye, proven effective from 10 meters. Takes down your machine at 4 m/s. World leading parachute performance.
- **REDUNDANT FLIGHT CONTROL SYSTEM**
Allows you to regain control if you would experience a degraded flight performance.



THE INSPECTION SPECIALISTS