• 4.5 HOURS ENDURANCE
• 21 KG MAX. TAKE-OFF WEIGHT
• IP-56 WATER/DUST RESISTANT
• FULLY AUTOMATIC
• 5 KG PAYLOAD
• IMC-SHIELDED
• +50 KM RANGE WITH HD VIDEO
• CERTIFIED OPERATIONS MANUAL
• PART 145 MAINTENANCE MANUAL
• ENCRYPTED MIMO DATALINK
• MULTIPLE SENSOR CAPABILITY
• BALLISTIC RECOVERY PARACHUTE
Brushless alternator
Anodised structure for corrosion protection
Autopilot for automatic take-off/landing and waypoint navigation
EMI shielding for protection against electromagnetic interference
Front view camera for pilot orientation
Large payload mounting area to integrate the customer's choice of payload
Petrol combustion engine for longer flight times
Encrypted MIMO datalink for live video and telemetry
Noise reduction rotor blade tips
Multiple power and data connections for payload
Patented SafeAir ballistic recovery parachute
The HEF 32 is equipped with a fuel-driven engine, which gives it a much longer endurance than comparable electric unmanned systems. After a maximum flight time of 4.5 hours the operator only has to refuel to continue the mission.

Flight range is limited by the communication signal. Live HD video, infrared and other data can be received up to 50 kilometres from the ground control station.

The autopilot is always in control and makes the system completely automatic. Take-off, landing and navigation is initiated and performed by the simple press of a button.

Military components and technology make the HEF 32 truly water and dust proof. Protection against salt-water corrosion allows operations in maritime environments and makes it an all-weather machine. Rotor blades are specially protected against abrasion by dust and sand. All electronics are shielded from electro-magnetical interference.

Because of its rugged design and compact size, the HEF 32 can be transported in the back of an estate car with ease.
BASIC SYSTEM PACKAGE

The HEF 32 is included in a basic system package. It includes everything you will need to operate the system out of the box. The package will kickstart you into the world of unmanned aviation, transforming challenges into commercial success.

• Ground control station
• Omni-directional ground antenna
• Operations & maintenance manual
• Overhaul/replacable parts
• Pilot training
• Transport case

OPTIONS

There are many options available to expand the capabilities of the HEF 32, which add to the multifunctionality of the entire system. Whether you are flying in remote areas, the arctic, at night time, above open waters or beyond visual line of sight, the following standard options are available:

• Ballistic recovery parachute
• Tracking antenna
• ADS-B transponder
• AIS transponder
• GPS compass
• Emergency flotation kit
• Snow skids
• Navigation & collision lights
• Fuel level sensor
INTEGRATION MADE EASY

The HEF 32 has been designed to be a flexible, multi-sensor platform. This allows customers to adapt the system to their mission requirements without complicated and expensive custom development projects. A wide variety of options are available to further enlarge the functionality of the HEF 32 and the list is still growing.

There are many ways to expand the capabilities of the HEF 32 system. Operating multiple sensors, increasing operational range, improving flexibility and even integrating into Air Traffic Control environments, the HEF 32 can do it all. The payload bay of the HEF 32 is located underneath the nose, offering an unrivaled amount of clear space without obstructions, to mount large or odd-sized payloads. The built-in converters and IP based data-link system allow the live transmission of many different types of payload data.

High Eye can assist in selecting a suitable payload for a specific mission requirement. Customers can either select an already integrated option or request the integration of a new payload type. The basic options vary from optical and infrared gimbals to industrial LIDAR systems and emergency locator tracking antennas.

The efficiency of a mission execution will no longer be limited by the capabilities of the unmanned platform. The HEF 32 crosses boundaries and creates new mission profiles all by itself.
Offering Professional Services in:
- Aerial Photography
- Video
- Surveys
- Mapping
- Archeology
- Wildlife
- Environment
- Weather
- UAV Testing

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