



HIGH EYE

HEF 32

UNMANNED HELICOPTER SYSTEM



- > 4 HOURS ENDURANCE
- 50 KM LINE OF SIGHT RANGE
- IP-67 WATER/DUST RESISTANT
- 5 KG PAYLOAD
- 21.5 KG MAX. TAKE-OFF WEIGHT
- EMI-SHIELDED
- ITAR FREE
- FULLY AUTOMATIC OPERATION
- ENCRYPTED MIMO DATALINK
- FLEXIBLE PAYLOAD CAPABILITY
- EASA COMPLIANT OM/MM/IPB





BASIC SYSTEM PACKAGE

The HEF 32 is provided in a basic system package. It includes everything you will need to operate the system out of the box:

- HEF 32 helicopter
- Ground control station
- Vest carrier
- Multiple antenna configurations
- Transport case
- OM/MM/IPB manuals
- Overhaul/replacable parts
- Maintenance frame
- Toolset and cables



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:

- Tracking antenna
- Stand-alone tracking antenna
- ADS-B transponder
- Navigation & collision lights
- Emergency flotation kit
- Snow skids
- Fuel level sensor
- Ballistic recovery parachute

The HEF 32's radio communication system is used for telemetry, control and payload simultaneously, providing high bandwidth capabilities even at large distances from the operator. The system is available in multiple frequency bands from 0.9 to 6.0 GHz.

Customer specific liveries and logos for the helicopter can be designed and painted upon request.



SMART DESIGN

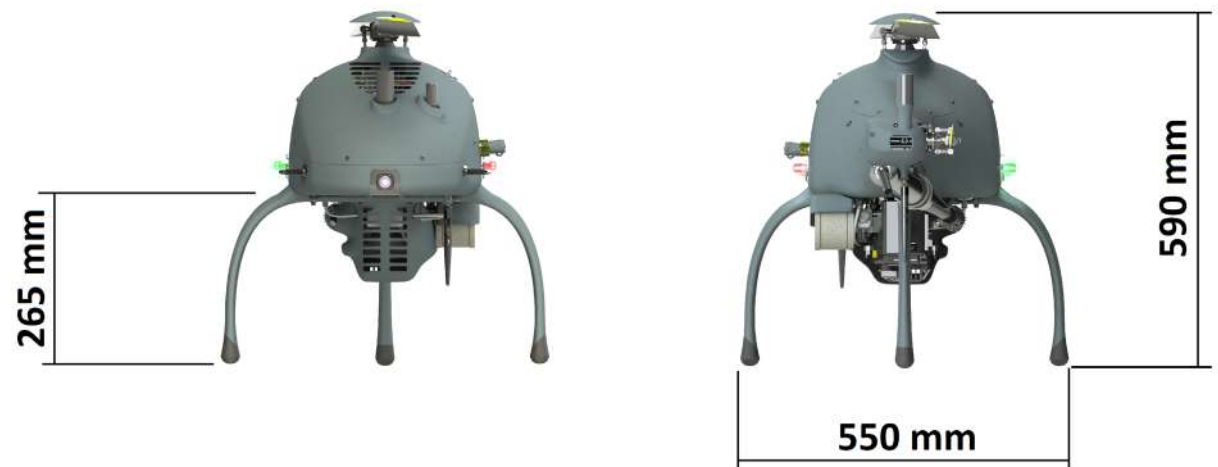
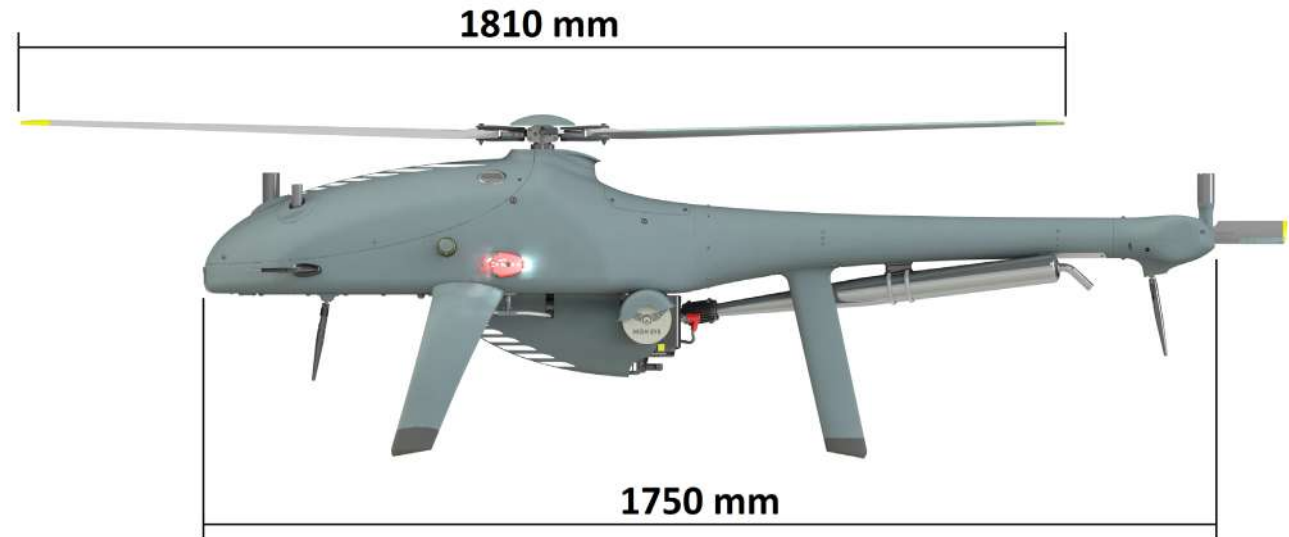
The HEF 32 is equipped with a fuel-driven engine, which gives it a much longer endurance than comparable electric unmanned systems. After a maximum flight time of 4.5 hours the operator only has to refuel to continue the mission.

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.



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.

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.

WORLDWIDE APPLICATIONS

WILDLIFE INVENTORIES AND PROTECTION
TRAFFIC ACCIDENTS MONITORING
POWERLINE/PIPELINE INSPECTION
ENVIRONMENTAL DISASTERS
TRAFFIC MONITORING
FIRE MONITORING
SHIP TRACKING
FISHERY



AGRICULTURE
AREA MAPPING
FOREST INVENTORIES
RF SPECTRUM MONITORING
ENVIRONMENTAL RESEARCH
HARBOR AND BORDER PATROL
SEARCH AND RESCUE OPERATIONS
VOLUME MEASUREMENT OF LANDFILLS AND STOCKPILES



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