



Rufous™ Unmanned Aircraft System for Broadcast Vision

Versatility. Manoeuvrability. Performance.

The use of an unmanned aircraft system (UAS) for high-definition video coverage of specialist outdoor events and sports is a means of improving the capture of the critical action in a safe, totally controlled and stable way. It gives a unique perspective to the director for additional shooting alternatives from locations that would be physically impossible for a manned camera, while expanding the production opportunities by allowing shorter-range cameras to be used removing long-lens depth of field compression.

The Rufous™ UAS is a modular vehicle capable of carrying multiple specialist payloads and camera equipment as required by the customer. This still gives the production team the capability to utilise existing in-screen graphics, HD cameras and offers the future potential for overhead 3D filming. The stable aerial platform, with its electro-magnetic protected body, provides the versatility that allows close-up 360° viewing of the event action and crowd reaction, whilst still allowing the director full control of focus, pan, tilt and zoom. Rufous™ achieves this with enhanced environmental and fuel performance whilst minimising the risks and costs associated with manned helicopter reporting.

Fixed Site Events

The Rufous™ remote camera capability provides the ideal overview of outdoor event sites, route analysis planning and overhead live coverage perspectives. The Rufous™ UAS can retain the hover position for extended periods, and thanks to its excellent dynamic gust response, can capture stable digital and photographic imagery for a wide variety of fixed site events and sports requirements, including:

- Arena-based athletics events.
- Stadium-based team games.
- Open-air music concerts.

- Single or multi-stage festivals.
- Fixed site news and nature events.

Fixed Route Events

Where an event moves along a known fixed path the Rufous™ UAS can fully capture all the live action wherever it takes place. The flight controls allow for a series of pre-planned way-points to be followed that can cover all the critical action locations of any outdoor events. The excellent flight characteristics and image capability of Rufous™ enable the capture of optimum peak action footage at many dynamic events including:

- Downhill and cross-country skiing.
- Marathon and long-distance running.
- Golf championships.
- Canoeing and white-water rafting.
- Stage-based events e.g. cycling and dirt-track rallying.
- Boat and in-shore sailing regattas.
- Wind, kite and board surfing.

Random Route Events

Wherever dramatic sporting events take place across unknown routes that are followed in response to changing surface and environmental conditions, the Rufous™ system still maximises action reporting. The low logistics requirement of the aircraft means that it can be deployed from and returned to almost any location on land or sea, from a Land-Rover to a small surface boat. This capability is essential when attempting to cover events and sports beyond the range of traditional remote camera technologies, these include:

- Ocean sailing.
- Desert rallying.
- Rock and mountain climbing.
- Remote endurance events.
- Hang-gliding.

Contact Us

To discuss your particular requirements and what we can do to help, please contact us at:

Rufous Limited
Station Hill House
Station Hill
Chippenham
Wiltshire
SN15 1EQ
UK

Tel: +44(0)1249 448905
www.rufous-ltd.com