

# Kingfisher - Unmanned Aerial Vehicle

- Capable of remotely piloted or autonomous operations with way point navigations, utilising Global Positioning System, Inertial Measurement Unit (IMU) and air data sensing
- Endurance (platform dependant) between 2 to 15 hours and a payload/fuel capacity between 7 to 30kg

BAE Systems Australia is a world supplier of unmanned flight technology. The Kingfisher Unmanned Aerial Vehicles (UAV) are sized to provide a flexible experimental platform for a variety of UAV sensor and operational technologies.

They have been developed by BAE Systems Australia as low cost, simple to operate and easy to modify flight platforms, capable of carrying test hardware for experimentation and demonstration purposes.

The UAVs are fully autonomous, but can be operated remotely for maximum control over experimental missions. When coupled with BAE Systems' Ground Control Station (which includes the ISR Management System) they provide a fully integrated and adaptable experimentation system.

## Modular

- Multiple location options to allow for diverse modular payload fits
- Common payload trays allow rapid system and payload reconfiguration
- Modular wing and tail matching of flight envelope to mission
- Ground Control Station modularity provides redundancy for flight/mission critical functions

## Proven

- The Kingfisher UAVs have been used in demonstrations and experiments over the past seven years
- Continual system improvement and testing ensure increased system performance, reliability and capability





**Details**

| <i>Air Vehicle</i>      | <i>Brumby Mk3</i>  | <i>Kingfisher 1</i> | <i>Kingfisher 2</i> |
|-------------------------|--------------------|---------------------|---------------------|
| Wing span               | 2.82m              | 4.13m               | 4.23m               |
| Overall length          | 2.19m              | 3.73m               | 4.20m               |
| Wing area               | 1.63m <sup>2</sup> | 2.67m <sup>2</sup>  | 2.67m <sup>2</sup>  |
| Maximum take-off weight | 45kg               | 60kg                | 115kg               |
| Typical payload         | 1-7kg              | 1-15kg              | 30kg                |
| Maximum endurance       | 2 hours            | 4.5 hours           | 15 hours            |

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