

BANSHEE

Aerial reconnaissance training system



Key features

- ▣ **Versatile**
 Self-Contained Module, easily fitted to all existing Banshee air vehicles
- ▣ **Adaptable**
 Target performance unaffected by installation of the reconnaissance module
- ▣ **Mature Systems**
 Systems already delivered and in service around the world



Description

Manufactured by Meggitt Defence Systems, a company dedicated to the design, manufacture and operation of aerial target and unmanned air vehicle systems, this low cost surveillance system is offered as an additional payload pack to those already available for the versatile Banshee aerial target system.

The equipment consists of (1) an airborne package and (2) additional ground equipment to that supplied for usual Banshee target operations. It may be supplied either as add on equipment to existing users of Banshee or as a complete stand alone system

The affordable system enables high quality, colour, video images to be transmitted over 50 km , line of sight, in real time from the Banshee air vehicle to the ground station.

The surveillance package has been designed to fit existing Banshee airframes with a minimum of modification, mounting being accomplished via existing hard points within the fuselage.

BANSHEE

Aerial reconnaissance training system

The package consists of a replacement nose cone with an inbuilt optical port. Within the nose cone is mounted a colour CCD camera fitted with a 10 x zoom lens. The camera is mounted on a gimballed mount to provide a pan and tilt function that is controlled remotely from the ground station.

The video image is transmitted from the air vehicle to the ground by means of an RF video transmitter, carried within the fuselage of the Banshee air vehicle. The entire airborne system is powered by its own rechargeable power supply.

A ground station receiver is supplied for the video data link. This receives, via a high gain directional antenna, image data transmitted from the air vehicle. The receiver then provides a composite video output that may be displayed and recorded on conventional monitors and recorders.

TYPICAL SENSOR SPECIFICATION

Camera

Imager	1/4" Sony Ex-View HAD (HI-Resolution) sensor
Scanning System	2:1 Interlace
Pixel	752 x 582 (PAL), 768 x 494 (NTSC)
Min Illumination	0.1 Lux (Day and Night), 0.5 Lux (Colour) / F1.6
S/N Ratio:	More than 48 dB
Video Output	VBS = 1.0 Vp-p at 75 Ohms
Control System:	RS 485

Lens

Motorised Zoom	Auto/Manual control, 22 x Optical Zoom
Focal Distance	f= 3.9 ~ 85.8mm (+/- 5%)
Electronic Iris:	Auto/Manual control, F1.6 ~ 3.7 (+/- 5%)
White Balance:	Full Auto/Manual
Horizontal Rotation	Angle - 360° Continuous Rotation Speed - 1° to 150° per second
Vertical Rotation	Angle - 0° ~ 90° Speed - 1° to 100° per second

Electrical

Power Supply	12 VDC @ 2A
Consumption	13W

Environmental

Operating Temp.	-10°C ~ +50°C
Relative Humidity:	0% to 90%

Physical

Size:	206mm (H) x 145mm (Dia)
Weight:	2.2 Kg

This data may be changed without notice and is not binding.