

NIGHTBIRD

*Night Vision Goggles
for Aircrew*



Photograph by courtesy of
British Aerospace (Military Aircraft) Limited

GEC-Marconi

NIGHTBIRD Night Vision Goggles for Aircrew

The NIGHTBIRD NVG is a variant of NITE-OP, designed specifically for fast-jet applications. In addition to having the outstanding features of NITE-OP, NIGHTBIRD has two key additional technologies integrated into the system to allow full compatibility with the high performance aircraft environment.

- **HEAD-UP DISPLAY COMPATIBILITY**

The NIGHTBIRD optics are designed to allow HUD symbology to be viewed through the NVG. In aircraft equipped with forward looking infra-red (FLIR) and raster/cursive HUDs, this feature provides dual band external viewing, together with superimposed symbology.

- **AUTOMATIC DETACHMENT ON EJECTION**

To ensure that the goggles are not on the head during ejection, an auto-detach mechanism has been designed and fully qualified. Auto-detach allows the goggles to be released from the head typically 4 milliseconds after initiation of ejection, ensuring safe egress.

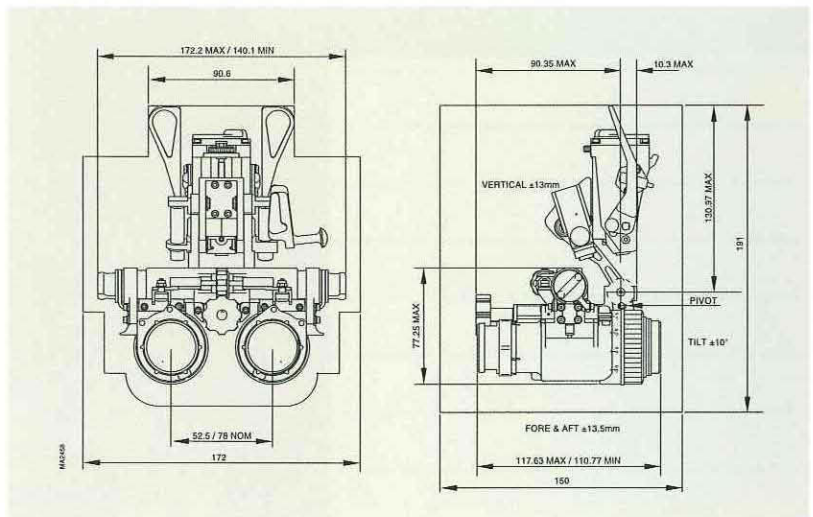
NIGHTBIRD is in full production for the Royal Air Force Harrier GR7, Tornado and Jaguar aircraft.

Specifications

Field of View (full circular)	45° at 30mm eye relief
Exit Pupil and Eye Relief	10mm at 30mm
Weight	815 grams
Resolution	0.85 cycles per mR (typical)
Power Source	Each channel is independently powered by a highly reliable 3.5V, 1/2AA size lithium battery
Battery Endurance	15 hours (typical) above 0°C 6 hours (typical) at -32°C

Adjustment Ranges

Vertical	26mm
Fore and Aft	27mm
Tilt	20°
Interpupillary	54 - 72 mm
Objective	Fixed focus
Eyepiece Dioptre	+1.0 to -2.1D



GEC-Marconi
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