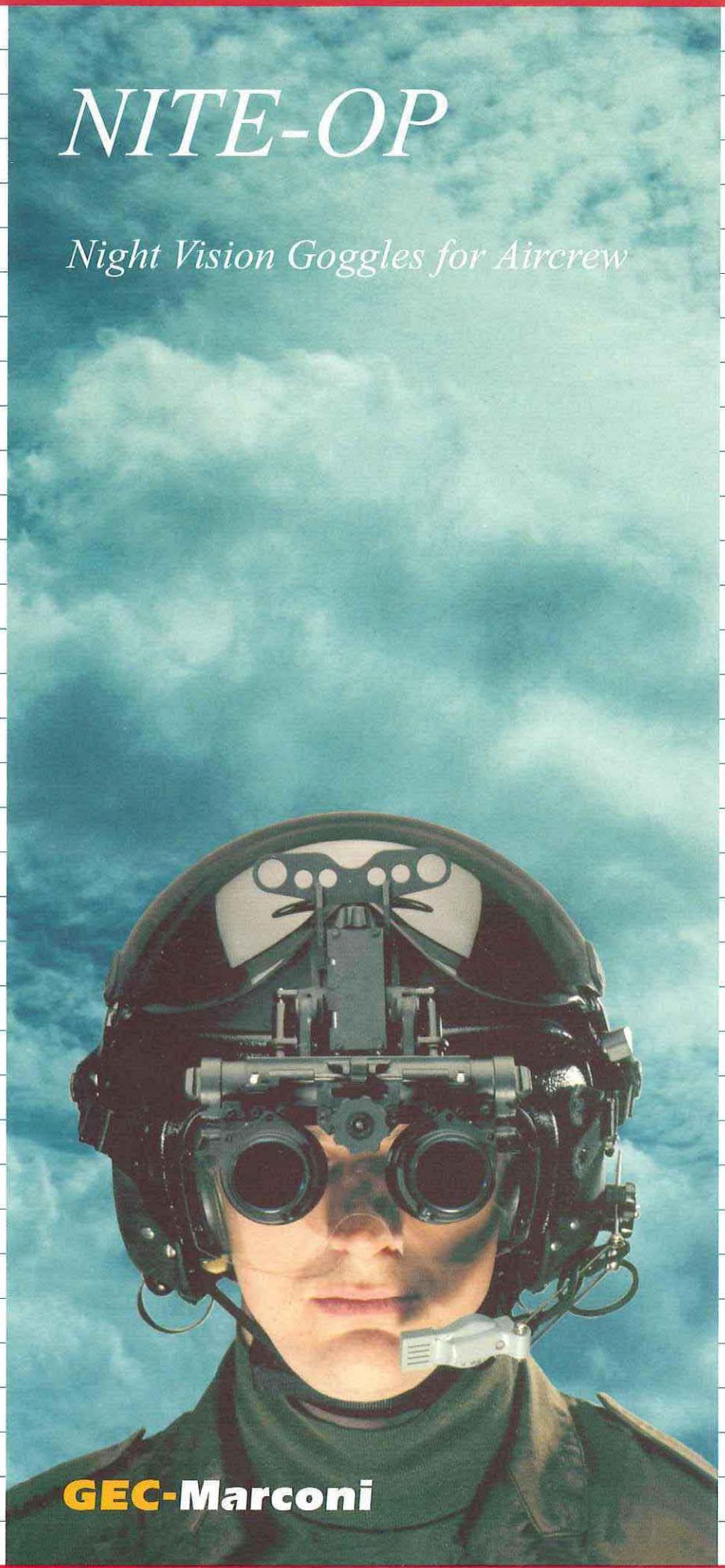
NITE-OP

Night Vision Goggles for Aircrew



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NITE-OP Night Vision Goggles

NITE-OP has been designed and developed specifically for aircrew, to allow them to fly visually at night.

Both rotary and general fixed wing requirements are covered, but the alternative "NIGHTBIRD" goggle may be more appropriate to some high performance fixed wing applications.

NITE-OP is currently in service with all three British armed forces and with a number of overseas customers.

The extensive use of new materials achieves a lightweight system of extreme ruggedness, with large field of view, eye relief and exit pupil.

Adjustments accommodate a full range of aircrew eye positions and face profiles.

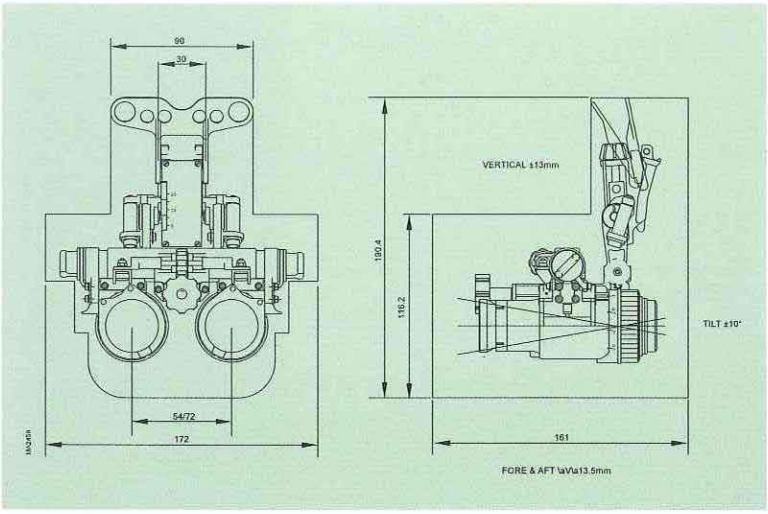
Integral batteries provide very high electrical reliability. Left and right channels are entirely independent and isolated to provide full redundancy. NITE-OP is fully compatible with a variety of aircrew helmets, respirators and NBC equipment. A face protection visor is provided as part of the NITE-OP system.

Specifications

Field of View (full circular)	45° at 30mm eye relief
Exit Pupil and Eye Relief	10mm at 30mm
Weight	800 grams
Resolution	0.85 cycles per mR (typical)
Power Source	Each channel is independently powered by a highly reliable 3.5V, $^1/_2$AA 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°
Interpupilary	54 - 72 mm
Objective	Fixed focus
Eyepiece Dioptre	+1.0 to -3.1D



GEC-Marconi
Avionics

GEC-Marconi Avionics Limited

Mission Avionics Division Airport Works Rochester Kent ME1 2XX. England

1 South Gyle Cresent Edinburgh EH12 9HQ. Scotland

Telephone John White on +44 (0) 1634 816980 Facsimile: +44 (0) 1634 816508