

HELIE Night Vision Goggles for Airborne Operations

A combat proven
Night Vision Goggles
Industry leader with
100,000 devices in
operation worldwide



HELIE

Night Vision Goggles for Airborne Operations



DESIGNED FOR AIRBORNE OPERATIONS AT THE LOWEST LIGHT LEVELS

Thanks to a F/0.95 objective lens aperture, HELIE binoculars for airborne operations offer outstanding performances at the lowest light levels.

APPLICATIONS

- Fighter aircraft piloting at night

BEST OPTICAL PERFORMANCES

- Collects 60% more light than conventional binoculars for an increased sensitivity at low light levels.
- Enhanced peripheral vision with important eye relief of the goggles.

STATE OF THE ART MECHANICAL DESIGN

- Ergonomics:** a perfect stability and an improved comfort during long wearing operations with a rugged mechanical design.



COMPLIANT WITH ANY ANVIS HELMET

- Compliant with any flight helmet
- The mount is compliant with ANVIS standard allowing mounting, dismounting, flipping up and ejection of goggles under shocks.

TYPICAL DATA

Magnification	1x
Field of view	40°
Typical resolution	1.33 pl/mrd (w/ 64 lp/mm) 1.42 pl/mrd (w/ 72 lp/mm)
Objective lens aperture	F/0.95
Focus range	25 cm to infinity
Diopter adjustment	-6 to +2 diopters
Eye relief	25 mm
Pupils	14 mm on axis 7 mm in full field
Inter-pupillary distance	51 mm to 76 mm independently for each eye
Weight	560 g
I² tube	Gen. II or Gen. III
Auto-gating	Optional
Parallelism	Convergence < 0.5° Divergence < 0.2° Supravergence < 0.2°
Positioning adjustments	Height: 38 mm Depth: 29 mm Tilt: 20°
Objective lenses filters	Removable (A,B,C class and 645 nm)
Power source	2x 2 AA lithium batteries (1.5V)
Battery life	50 hours at 20°C (2x 2 AA lithium batteries 1.5V)
Operating temperature	-32°C to +52°C
Storage temperature	-46°C to +71°C

AVAILABLE ACCESSORIES



Helmet Mount



Class A,B or C removable spectral filters



Carrying bag



Transport case

Building on 80 years of experience in high precision optics, Thales offers a comprehensive range of night vision devices.

Thales has a customer-focused approach and develops innovative and lightweight products which significantly reduce the soldier's burden while displaying greater situational awareness.

With 100,000 devices in operation worldwide, Thales is the leading manufacturer of night vision devices for pilots and dismounted soldiers in Europe. Thales night vision devices were chosen by the armed forces of many countries, including France, the United Kingdom and Germany.

THALES LAS FRANCE SAS – 2, avenue Gay-Lussac – CS 90502 – 78995 Elancourt Cedex – France

Tel: +33 (0)1 30 96 70 00 – Fax: + 33 (0)1 30 96 75 50 > Thalesgroup.com <    