

# ANGIE Night Vision Goggles for Fighter Pilots

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



# ANGIE

## Night Vision Goggles for Fighter Pilots



### DESIGNED FOR HARSH FLIGHT CONDITIONS AT THE LOWEST LIGHT LEVELS

Thanks to its innovative optical design based on aspherical lenses, ANGIE provides pilots with high optical performances in a more compact and lightweight goggles compared to other goggles.

### APPLICATIONS

- Fighter aircraft piloting at night

### HIGH PERFORMANCES

- Tactical Superiority**
  - High quality optics with high resolution and low distortion
  - Improved peripheral vision
  - Robustness and reliability
- Improved comfort**
  - Stability with state-of-the-art mechanical design
  - Weight repartition with fully integrated device to helmet

### COMPLIANT WITH FIGHTER AIRCRAFTS

- A mechanical interface has been especially designed in order to release safely in case of unprepared ejection.
- Tested and qualified in the harshest flight conditions such as heavy load factors.
- A lightweight and comfortable use with Head Up Displays (HUD) or Collimated Head Down Displays thanks to Class-C filters incorporated within the optics.

### TYPICAL DATA

<b>Magnification</b>	1x
<b>Field of view</b>	40°
<b>Typical resolution</b>	1.33 pl/mrd (w/ 64 lp/mm) 1.42 pl/mrd (w/ 72 lp/mm)
<b>Objective lens aperture</b>	F/1.2 (standard)
<b>Focus range</b>	25 cm to infinity
<b>Diopter adjustment</b>	-5 to +2 diopters
<b>Eye relief</b>	25 mm with 14 mm on axis 7 mm in full field
<b>Inter-pupillary distance</b>	54 mm to 76 mm independently for each eye
<b>Weight (overall)</b>	660 g (with batteries and bracket)
<b>I<sup>2</sup> Tube</b>	Gen. II or Gen. III
<b>Auto-gating</b>	Optional
<b>Brighness gain</b>	Manually adjustable
<b>Parallelism</b>	Convergence < 1° Divergence < 0.3° Supravergence < 0.3°
<b>Positioning adjustments</b>	Height: 26 mm Depth: 29 mm Tilt: +/- 10°
<b>Power source</b>	2x 1.5 V AA lithium batteries
<b>Battery life</b>	24 h at 20°C
<b>Operating temperature</b>	-32°C to +52°C
<b>Storage temperature</b>	-50°C to +65°C

### STANDARD CONFIGURATION

A dedicated crest is provided with ANGIE goggles enabling:

- quick and easy integration
- an optimized weight repartition
- safe release in ejection



*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.*