

# GBS

## Ground Binocular System

Rev. 21 Mar 2013



The GBS is a night vision binocular that can be used for special operations on the ground or in the air. It is interchangeable with pilots using NVAG or ANVIS systems for added mission redundancy and safety. Because the GBS increases depth perception, it is well suited for high speed missions such as off-road driving using ATVs and sand rails. It is ideal for military medical applications such as triage and field casualty evacuation under the cover of darkness.

The GBS is available with a range of image intensifier tube performance levels. These specifications combine to offer significantly improved performance for the user, regardless of the light levels.

The binocular provides individual interpupillary adjustment, fore and aft adjustments spanning a range of 27mm and a tilt adjustment over a range of 10 degrees ensuring customized comfort for any operator. Constructed out of aluminum, the GBS can withstand the constant vibrations and environmental beatings connected with military operations.

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### FEATURES

- **Rugged Aluminum Housing and Mount**
- **High Resolution Image Intensifier for Sharper Image**
- **High Brightness Gain**
- **Automatic Brightness Control**
- **Individual Interpupillary Distance Adjustment**
- **27mm Eye-Relief**
- **Compatible with Most PASGT/MICH Helmets**

**For more information on the GBS or other Nivisys products call (480) 970-3222 or visit us on the web at [www.nivisys.com](http://www.nivisys.com).**

**GBS BASIC KIT:**

- GBS Assembly
- Hard Carrying Case
- AA Batteries (4)
- Lanyard
- Lens Caps (4)
- Lens Cleaning Kit
- Battery Cartridges (2)
- Screwdriver
- Helmet Mount
- Battery Pack
- Operator Manual
- Quick Reference Guide



**FEATURES**



**Helmet Mount**  
Flip-Up style.



**Eyecups**  
The GBS features eyecups for to prevent the stray light emission.



**GBS Adjustments**  
Fully adjustable tilt, interpupillary, vertical, fore and aft.

**OPTIONS**



**A-BAM**  
Battery Module allowing for over 40 hours continuous use when used without a helmet



**CR123 Battery Pack**  
For extended battery life to the GBS, Nivisys offers a CR123 lithium battery pack holding 4 batteries, and uses the same connection hardware of the standard AA battery pack.

**SPECIFICATIONS\***

**Field of View**  
40°

**Magnification**  
1X (unity)

**System Resolution**  
≥1.3cy/mR

**Diopter Adjustment**  
+2 to -6

**Interpupillary Adjustment**  
Independent, 51mm to 72mm

**Vertical/Fore/Aft Adjustment**  
25mm/27mm/27mm

**Tilt Adjustment**  
10° minimum

**Collimation**  
1° convergence/divergence  
1/3° dipvergence

**Focus Range**  
25cm to infinity

**Flip-Up/Flip-Down**  
Button Release

**Automatic Breakaway**  
10 to 15g

**Battery Life/Type**  
40 hours/(2) AA alkaline

**Binocular Weight**  
520g

**Mount Weight**  
147g

**Battery Pack Weight**  
220g (with 4 AA batteries)

**Operating Temperature Range**  
-32°C to + 52°C

\*Specifications are subject to change without notice.