



DB-300

Gen II+ NIGHT VISION GOGGLE

Description

The DB-300 2+ is a Single Tube Night Vision Goggle. It is intended for Observation, Surveillance and Land Navigation providing increased Versatility while eliminating the need to carry multiple types of specialized equipment

Lightweight, Ridged and well Balanced, DB-300 2+ can be hand-held or worn on a head-mask for hands-free operation. In addition to a flexible Carrying case, a neck strap is provided for operators comfort.

Fixed position of eyepiece lenses, achieved by sophisticated optical design, are compatible to wide interpupillary distance.

DB-300 2+ utilizes Generation **II** **High Performance Image Intensifier Tube** with an integrated power supply, which provides Automatic Brightness Control (ABC) and Bright Source Protection (BSP) to guard against exposure to high levels of light.

It is fully compatible with all types of laser and laser designators. Optional X4 Magnification Clip-On Objective lens increases observation distance providing multiple mission abilities.

System Features

- Lightweight, Rugged, Humidity Protected
- Head mask for hands free operation
- NBC compatible
- Build-in IR illuminator for map reading
- Momentary IR switch
- IR operation indicator
- Low battery indicator
- Flip-Up/Flip-Down position
- No Intepupillary adjustment required
- Built-in sensor for High Light automatic shut down
- A-focal Clip-On Objective- x4 (Optional)

Mission Dedicated

- Handheld Goggles
 - Navigation
 - Map Reading
 - Observation
- Face Mask/Helmet mounted
 - Hands Free operation
 - Navigation, Engagement
 - NBC compatible
- X4 Magnification Clip-On Objective lens
 - Medium to Long Range Observation
 - Fire Control



Technical Specification

Optical

- | | |
|-----------------------------|---------------------|
| • Magnification: | X1 |
| • Field of View (FOV): | 40° |
| • FOV with x4 Clip-On lens: | 10° |
| • Focus range: | 0.25m to infinity |
| • Diopter adjustment: | -4 to +5 |
| • Exit Pupil/Eye relief: | 15mm/15 mm |
| • Interpupillary Distance | 55mm ... 73mm fixed |

Electrical

- | | |
|---------------------------|----------------|
| • Input voltage: | 2.2 to 3.1 VDC |
| • Battery type: | 2 AA or NiCd |
| • Voltage Polarization: | Protected |
| • Electrical switch: | OFF/ON/IR |
| • IR manual control | IR Push button |
| • IR Operation Indicator: | Eyepiece FOV |
| • Low Battery Indicator: | Eyepiece FOV |



Mechanical/Environmental

- | | |
|--------------------------|-------------------|
| • Goggle weight : | 480 gr |
| • Length/Width/Height: | 145/125 /60 mm |
| • On-Mask adjustments: | One hand |
| • Flip-up/Flip-down: | Vertical Fixation |
| • Operating temperature: | -45°C ... +55°C |
| • Storage temperature: | -50°C ... +65°C |



(Optional)