

PORTABLE PASSIVE NIGHT VISION DRIVER/INFANTRY GOGGLE CHASSIS



Main Features

- Optimum resolution, high gain and photo response to near infrared
- Hand held and on head strap for hands free operation
- Light weight, maximum weight 680grams
- Universally available "AA" batteries
- Momentary "IR switch"
- "Automatic highlight cutoff" to protect image intensifier
- "IR-on indicator"
- "Low-voltage indicator"
- "quick release lever" to permit one-handed attachment/detachment from helmet or head harness

Standard Accessories

- Head Mount Assembly: Allows hands-free operation with adjustments to accommodate the user's head size and eye position.
- Medium and thick brow pads: Has changeable pads to accommodate head sizes.
- Eye cups: To prevent the emission of stray light or facial reflections.
- Sacrificial window: Shields the objective lens from sand and dust or anything that may scratch the lens.
- Carry cases: Includes soft and hard carry cases.
- Shoulder strap: Attaches to the soft carry case for easy portability.
- Lens cleaning kit: Supplied with lens paper, brush and cleaning fluid

Spectral Response: Visible to .90 microns (IR)
Magnification: X1
Resolution: 0.68 (cycles per mrad)
System Gain: minimum 2000 (fl/fl)

Weight

Main assembly and lens: not more than 680 g
Collimation: 1 dg +-1 less than ½ dg divergence
Image Intensifier: double proximity focused, 18mm tube with glass input and straight f.o. output

Objective Lens Data

Focal Length x1 mag : 27mm
T-Number : 1.2
F-Number : 1.0
Focussing range : 30cm to infinity

Eyepiece Lens Data

Effective Focal Length : 26mm
Diopter Adjustment : -6 to +2
Interpupilliary adjustment : 55-71mm

ENVIRONMENTAL

- Low Tem Testing: -51° C (7 Hours)
- High Temp Testing: 71° C (16 Hours)
- Humidity Testing : 120hrs @ 95 ± 5% RH & 30° to 65°C
- Vibration Testing : 10-200HZ (2.5 G, 12mm Displacement @ 3 axis for each axis 0,5 hrs
- Waterproof Test: Leak test at 0.25 bar (25000 (kpa) and immersion 0.5 hrs at 1 meter

