

MORO VISION NIGHT VISION

LIGHT THE NIGHT™

MV-221B– Generation 2+ Dual Tube Night Vision Binocular

MV-221B. The MV-221B binocular features the latest rugged military design with specialized multicoated optics. The light weight MV-221B features 3.2x magnification, automatic brightness control (ABC), a built in IR illuminator, and bright light protection. Its unique dual tube/dual eye configuration is the only night vision device that offers a true stereoscopic night vision image. The innovative wide exit pupil design eliminates the need for interpupillary adjustment and reduces the size and weight of the unit. The optional head-mount assembly and 1x commercial lens convert the 221B from a binocular to a goggle, making the 221B the most versatile dual tube system available.



Features and Benefits:

- High resolution 32 lp/mm (typical), high gain, and high photoresponse in visible and near infrared
- Multifunctional: Hand-held or head-mounted
- Automatic Brightness Control (ABC) automatically adjusts the brightness of the image tube for varying light conditions
- Automatic high-light cutoff
- Comprehensive two-year factory warranty
- System Test Data Sheet

Optional Accessories (not included):

- 1x Commercial Lens
- Helmet Mount Assembly (PASGT) (Adapter required)
- VIP IR Signal Beacon – Dual Function
- Guardian IR Flashing Marker
- Guardian IR Mockingbird Marker
- Flashing IR Laser Stick
- IR Illuminator – Handheld

Standard Accessories Included:

- **Hard Case** – Weather-proof protective case.
- **Eye Cups** - Prevents the emission of stray light or facial reflections.
- **Day Light Filter** – Filters excessive light. Protects objective lens from the elements.
- **Battery** - One (1) 3-Volt Lithium Battery (CR123) - Provides up to 30 hours of operational time.
- **Operators Manual** – instructional user's guide
- **Warranty Card** – proof of one warranty on product

CALL US TODAY AT: Toll Free 1-800-424-8222 or 949-488-3855

Or visit us online at: www.morovision.com



MV-221B Product Specifications

Generation	2+
Resolution:	32 lp/mm (typical)
Magnification	3x
Field of View	15°
Objective Lens	80mm f/1.6
Diopter Adjustment	+4 to -4
Range of Focus	10' to infinity / 3 meters to infinity
Detection Range	902' / 275 meters
Recognition Range	956' / 200 meters
Battery Type	3V Lithium (CR123)
Battery Life	Approx. 30 hrs at room temp
Weight w/ batteries	35 oz / 992 grams
Dimensions	7" x 5" x 2.5" / 178mm x 127mm x 64mm
Operating Temperature Range	-4° F to 113° F / -20°C to +45°C
Camcorder Adaptable	No
Weather Resistant	Yes
IR Illuminator	Yes (built-in)
Warranty	2 years

MOROVISION NIGHT VISION, INC.

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EXPORT NOTICE:

Export of this product is regulated by the U.S. Department of State in accordance with guidelines of "International Traffic in Arms Regulations (ITAR)" per Title 22, Code of Federal Regulations, Parts 120-130

This data sheet is approved for unlimited release.

Specifications subject to change without notice