

MV-221B Dual Tube Goggle Generation 2+

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.



Standard Accessories:

- **Foam Fitted Hard Case** - Provides protective storage.
- **Soft Carrying Case** – Provides convenient storage.
- **Eye Cups** – Prevents the emission of stray light or facial reflections.
- **Day Light Filter** – Filters excessive light. Protects objective lens from the elements.
- **Shoulder Strap** – Allows for hands free operations.
- **Battery** - One (1) 3-Volt Lithium Battery (CR123)
- **Operators Manual** – Instructional users guide.
- **Two Year Warranty**
- **System Data Sheet**

PART #: MVP-MV-221B-MS

Product Features:

- High resolution 32 lp/mm (Min), 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

Optional Accessories:

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



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This data sheet is approved for unlimited release. Specifications subject to change without notice.

MORO VISION NIGHT VISION

LIGHT THE NIGHT™



SPECIFICATIONS: MVPA-MV-221B-MS

Intensifier Tube	Generation	2+
	Resolution	32 lp/mm (Typ)
Optics	Magnification	3.2x
	Field of View	15°
	Objective Lens	F/1.6 (80mm)
	Eyepiece Lens	EFL 26mm
	Diopter Adjustment	+4 to -4 diopters
	Range of Focus	10' to infinity / 3 meters to infinity ∞
Power	Power Source	3V Lithium (CR123 Type)
	Operating Time	Approx. 30 hrs at room temp.
Environmental Characteristics	Operating Temperature	4° F to 113° F / -20°C to +45°C
Physical Characteristics	Size:	
	Length	7.5"
	Height	4.5"
	Width	2.5"
	Weight:	
	w/batteries	35 oz / 992 grams
Warranty	System	Two (2) years
Features	Camera Adaptable	No
	Weather Resistant	Yes
	IR Illuminator	Yes (Built-in)

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