

MV-321B Dual Tube Binocular Generation 3 PINNACLE®

The MV-321B Dual Tube Generation **PINNACLE**® binocular features the latest rugged military design with specialized multicoated optics. The light weight MV-321B features 3.2x magnification, automatic brightness control, 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 321 from a binocular to a goggle, making the 321B the most versatile dual tube system available.



Standard Accessories Included:

- **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 #: MVPA-MV-321B-P

Product Features:

- ITT **PINNACLE**® Image Intensifier Tube - Thin-Filmed/Auto-Gated
- 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



MOROVISION NIGHT VISION, INC.
23382 Mill Creek Drive, Suite D-115
Laguna Hills, CA 92653

By Phone: Toll Free 1-800-424-8222 or 949-581-9988
By Fax: 949-581-1133
Email: info@morovision.com
Website: <http://www.morovision.com>

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.

MORO VISION NIGHT VISION

LIGHT THE NIGHT™



SPECIFICATIONS: MVPA-MV-321B-P

Intensifier Tube	Generation	3 U.S. (ITT PINNACLE®)
	Resolution	64 lp/mm (Min)
	Film	Thin-Filmed
	Gate	Auto-Gated
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)

MOROVISION NIGHT VISION, INC.
 23382 Mill Creek Drive, Suite D-115
 Laguna Hills, CA 92653

By Phone: Toll Free 1-800-424-8222 or 949-581-9988
 By Fax: 949-581-1133
 Email: info@morovision.com
 Website: <http://www.morovision.com>

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.