

## PVS-7 5X 135mm Catadioptric Lens Binocular Gen 3 PINNACLE®

The PVS-7 5X 135mm Catadioptric Lens Binocular Gen 3 **PINNACLE**® is the perfect tool for passive, long-range night time surveillance. The 5x Catadioptric lens replaces the standard 1x lens of the standard issue PVS-7B/D goggle type converting it into a binocular. The optical design is a fast f/1.6 in a package with a total length of only 3.5" and a weight of 520 grams. The design exhibits low chromatic aberration, and provides crisp imagery over its full 450-910nm (extended blue) operating range.

Equipped with a factory new, high-performance, ITT Generation 3 **PINNACLE**® image intensifier tube, the PVS-7 5X 135mm Catadioptric Lens Binocular Gen 3 **PINNACLE**® can be hand-held. Automatic Brightness Control (ABC), which automatically adjusts the brightness of the image tube to achieve the highest quality image resolution under varying light conditions is an integrated feature. A System Data Sheet is included. The PVS-7 5X 135mm Catadioptric Lens Binocular Gen 3 **PINNACLE**® is sold as a complete system.

### Product Features:

- ITT **PINNACLE**® Image Intensifier Tube - Thin-Filmed/Auto-gated
- High resolution 64 lp/mm (Min), high gain, and high photoresponse in visible and near infrared
- Multifunctional: Hand-held
- Equipped with momentary or continuous IR switch
- Automatic high-light cutoff
- Comprehensive two-year warranty

### Optional Accessories:

- VIP IR Signal Beacon – Dual Function
- Guardian IR Flashing Marker
- Guardian IR Mockingbird Marker
- IR Laser Stick – Dual Function
- IR Illuminator – Handheld
- Shipping & Storage Case



**PART #: MVP-PVS7P5**

### Standard Accessories:

- **Eye Cups** - Prevents the emission of stray light or facial reflections.
- **Lens Cap** – Protects 5x lens when not in use.
- **Soft Carrying Case** – Provides convenient storage.
- **Shoulder Strap** – Attaches to the PVS-7 carrying case for easy portability.
- **Lens Paper** – Used to lightly clean the objective and eyepiece glass surfaces.
- **Demist Shields** - Snaps onto the eyepiece to prevent condensation from forming on the optics.
- **SKB Mil-Standard Injection Mold Case** - Provides protective storage.
- **Operator's Manual** – Instructional users guide.
- **Batteries** – Two (2) AA.
- **Data Sheet** - System Test Data Sheet.



**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](mailto: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: MVP-PVS7P5

<b>Intensifier Tube</b>	Generation	3 U.S. (ITT PINNACLE®)
	Resolution	64 lp/mm (Min)
	Film	Thin-Filmed
	Gate	Auto-Gated
<b>Optics</b>	Magnification	5.1x Catadioptric
	Field of View	6.0° (18mm format)
	Objective Lens	F/1.6
	Eyepiece Lens	EFL 26mm
	Diopter Adjustment	+2 to -6 diopters
	Interpupillary Adjustment	55 to 71mm
	Range of Focus	8 meters to infinity ∞
<b>Power</b>	Power Source	Two (2) AA batteries
	Operating Time	Approx. 30 hrs at room temp.
<b>Environmental Characteristics</b>	Operating Temperature	-51°C to +52°C
	Storage Temperature Range	-51°C to +85°C
<b>Physical Characteristics</b>	Size:	
	Length	7.5"
	Height	3 5/8"
	Width	6.25"
	Weight:	
	w/batteries	2 lbs 4.4 oz
<b>Warranty</b>	System	Two (2) years
<b>Features</b>	Weather Resistant	Yes

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