

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.



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EXPORT NOTICE:

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

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LIGHT THE NIGHT™



SPECIFICATIONS: MVP-PVS7P5

Intensifier Tube	Generation	3 U.S. (ITT PINNACLE®)
	Resolution	64 lp/mm (Min)
	Film	Thin-Filmed
	Gate	Auto-Gated
Optics	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 ∞
Power	Power Source	Two (2) AA batteries
	Operating Time	Approx. 30 hrs at room temp.
Environmental Characteristics	Operating Temperature	-51°C to +52°C
	Storage Temperature Range	-51°C to +85°C
Physical Characteristics	Size:	
	Length	7.5"
	Height	3 5/8"
	Width	6.25"
	Weight:	
	w/batteries	2 lbs 4.4 oz
Warranty	System	Two (2) years
Features	Weather Resistant	Yes

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