

# MORO VISION NIGHT VISION

LIGHT THE NIGHT™

## 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 either hand-held or tripod mounted. 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.

### Key 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 or tripod mounted
- Lightweight only 24 oz w/ batteries
- Equipped with momentary or continuous IR switch
- Automatic high-light cutoff
- Comprehensive two-year warranty

### Optional Accessories:

VIP IR Signal Beacon - Dual Function  
Guardian Flashing IR 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.



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

Generation	3 U.S. (ITT PINNACLE®)
Resolution	64 lp/mm (Min)
Film:	Thin-Film
Gate:	Auto-Gated
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	8m to Infinity
Battery Type	Two AA size
Battery life	Approx. 30 hrs at room temp
Dimensions	7.5"(L) x 6.25"(W) x 3 5/8" H)
Weight w/ batteries	2lbs 4.4ozs
Operating Temperature Range	-51°C to +52° C
Storage Temperature Range	-51°C to +85° C
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

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