

PVS-7 Ultra 5X 135mm Catadioptric Lens Binocular Gen 3

The PVS-7 Ultra 5X 135mm Catadioptric Lens Binocular Gen 3 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 image intensifier tube, the PVS-7 Ultra 5X 135mm Catadioptric Lens Binocular 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 Ultra 5X Catadioptric is sold as a complete system.

Product Features:

- High resolution 64-72 lp/mm (Typ), high gain, and high photoresponse in visible and near infrared
- 5x Catadioptric Magnification
- 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-PVS7UL5

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
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-PVS7UL5

Intensifier Tube	Generation	3 U.S. (ITT)
	Resolution	64-72 lp/mm (Typ)
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 / 36.4 ozs
Warranty	System	Two (2) years
Features	Weather Resistant	Yes

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.