

MV-14P Mini-Monocular Gen 3 PINNACLE®



Model : MV-14 Gen 3

Manufacturer : Morovision Night Vision

MV-14 Ultra Generation 3 Night Vision Mini Monocular Using a high performance ITT Generation 3, 64 lp/mm (Min) PINNACLE® thin-filmed and auto-gated image tube, the U.S. Military battle-proven MV-14P PINNACLE® mini-monocular provides exceptional quality image resolution under varying light conditions. The innovative mil-spec housing is extremely lightweight, weighing only 9.2 oz and can be submerged to depths up to 66 feet. The MV-14P operates using either one AA or one 3V lithium battery and includes a built in IR Illuminator for increased image clarity in low light situations. Standard accessories including a head mount assembly and a weapons mount make the versatile MV-14P required gear for all public safety and military applications.

Autogating of image intensifier tubes consists of automatically regulating voltages to the tube's microchannel plate to optimize brightness and protect the tube in significantly changing light conditions. When it was discovered that the development of filmless image intensifier tubes (provisionally termed "Gen 4") was not practical, tube manufacturers developed very thin-film ion barriers to protect the photocathode while increasing tube performance.

These thin-film tubes combined with autogated power supplies provide the current state of the art of image intensification technology. In 2001 the US Army declared that the term "Gen 4" would no longer apply to filmless tube technology, resulting in the US military's current use of "thin-film, autogated" image intensification tubes as the standard for its night vision devices.

Key Product Features Include:

- 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, head-mounted or helmet-mounted as single eye goggle, or weapons-mounted as night scope
- Uses one AA or one 3V lithium battery
- Automatic high-light cutoff
- Submersible up to 66 feet
- Comprehensive two-year warranty

Product Specifications:

- Generation: 3 US ITT
- Resolution: 64-72 lp/mm (typ)
- Magnification: 1x
- Field of View: 40°
- Objective Lens: 25mm f/1.2
- Eyepiece Lens: EFL 26 mm

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- Diopter Adjustment: +6 to -4
- Range of Focus: 10" to infinity / 25 cm to infinity
- Detection Range: 975' / 300 meters
- Recognition Range: 775' / 250 meters
- Battery Type: One (1) 3V Lithium (CR123)
- Battery Life: 40 hrs
- Weight w/batteries: 9.2 oz (260 grams)
- Dimensions: 4.2" (L) x 2" (W) x 2.5" (H)
- Operating Temperature: -40°C to +50° C
- Camera Adaptable: Yes
- Weather Resistant Yes Submersible to 66 feet
- IR Illuminator Yes (built in)
- Warranty: Two (2) Years

Accessories Included :

- Head Mount Assembly - Allows for hands-free operation. Accommodates the user's head size and eye positioning.
- Weapons Mount – Mounts the MV-14 to most all weapons.
- Small, Medium and Large Brow Pads - changeable pads.
- Helmet/Head Mount Adapter - Attaches MV-14 to head strap or helmet mount. Allows the user to position the monocular in front of either eye.
- Eye Cup - Prevents the emission of stray light or facial reflections.
- Soft Carrying Case - Provides convenient storage.
- Shoulder Strap - Attaches to the MV-14 carrying case for easy portability.
- Lens Paper - Used to lightly clean the objective and eyepiece glass surfaces.
- Sacrificial Window – Shields the optics from sand, air particles, or anything that may scratch the lens.
- Demist Shield – Snaps onto the eyepiece to prevent condensation from forming on the optics.
- Day Light Filter – Filters excessive light. Protects objective lens from the elements.
- Operator's Manual – Instructional users guide.
- Batteries - One (1) 3V Lithium (CR-123).
- Battery Adapter – Converts to one (1) AA type.

Optional Accessories (Not included):

- 3x Mil-Spec Military Magnifier Lens
- 5x Mil-Spec Military Magnifier Lens
- 3x/5x/10x Lens Adapter
- 10x Magnifier Lens (requires use of 3x/5x/10x adapter)
- VIP IR Signal Beacon - Dual Function
- IR Laser Stick - Dual Function
- Guardian IR Flashing Marker
- Guardian IR Mockingbird™ Marker
- IR Illuminator - Handheld
- IR Spot / Flood Lens
- Aimpoint Comp M2-M4 Weapons Sights Series
- Eotech Holographic 550 Series Weapons Sights
- EOLAD Laser Aiming Devices

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- DBAL Laser Aiming Devices
- OTAL Laser Aiming Devices
- ITAL Laser Aiming Devices
- Step Up/Down Ring Kit
- MV-14 Camera Adapter
- Helmet Mount Assembly PASGT
- Helmet Mount Assembly MICH
- Swing Arm Interface
- Monoloc™ Universal Adapter
- Monoloc™ Bushing #12-S
- Aimpoint Cantilever Ring
- Shipping & Storage Case
- SKB Mil-Standard Hard Case
- Magnetic Compass
- Combat Carrying Case w/Molle-loks

Price : \$3,795.00

Availability: This product was added to our catalog on Sunday 02 November, 2008