

**BE72140**  
**PVS-14BE Gen 2+ Night Vision Monocular**



### PRODUCT OVERVIEW

PVS-14BE is a highly versatile NV monocular that can be utilized for a number of applications including combat, rescue and surveillance missions. The PVS-14BE can be used as a hand-held or hands-free single eye goggle, or as a night vision weapon system when coupled with a daytime red dot or a holographic sight.

The BE72140AG model is built with a Gen 2+ Auto-gated Image Intensifier with 64-72 lp/mm resolution. The device is power sufficient running up to 40 hours from a single AA battery.

The PVS-14BE monocular has automatic brightness control to achieve the highest image quality for varying light conditions. The monocular is loaded with neat features including a low battery and IR-on indicators, light overload sensor that shuts the device off within seconds if accidentally exposed to bright light, and a "flip-up" OFF magnetic switch. The unit has a durable, lightweight housing that is one of most compact in the NV industry. There is a built-in short-range IR illuminator for use in extreme low light conditions.

To enhance viewing capabilities, the system can be paired with a 3.0x MIL SPEC Afocal lens that is easily attached to the monocular using a snap-on action. Also, the monocular can be converted into a powerful long-range NV viewer by screwing in a compatible 3.0x, 4.0x, 5.0x, 6.0x or 10.0x objective lens.

### FEATURES

- Rugged, compact and lightweight
- Superior for CQB tactical engagements
- Extremely versatile: hand-held use, head-mountable, weapon-mountable, photo/video equipment adaptable
- Excellent detection and recognition ranges
- IR-On and Low Battery indicators
- Flip-up automatic shut off
- Automatic brightness control
- Protected against excess light exposure
- Integrated (5mW) IR illuminator for close-up illumination
- Compatible with a wide variety of optional accessories
- Comfortable for prolonged wear
- Single AA battery operation
- 40 hours run time from one battery
- Nitrogen-purged
- Waterproof and dustproof
- Built-in 1/4" tripod socket
- Gen 2+ 2-year limited warranty

### IN THE BOX

- One set of PVS-14BE NV monocular
- Head Gear with M and S brow pads
- Head gear adaptor
- Sacrificial window
- Demist Shield
- Soft Carrying Case with a Shoulder strap
- Neck cord
- Rubber Eye guard
- Lens Cover
- 1 AA Battery
- Lens Cleaning Cloth
- Operator's manual



### OPTIONAL ACCESSORIES (sold separately)

- Shipping and Storage Multipurpose Hard case
- Daylight Training Filter
- Helmet Mount assembly for PASGT or MICH helmets
- "Rhino" Mount for PASGT or MICH helmets
- 3x Mill Spec Afocal Lens
- 4x Mill Spec Afocal Lens Kit with adapter
- 5x Mill Spec Afocal Lens Kit with adapter
- 6x Focal magnifier Lens Kit with adapter
- 10x Focal magnifier Lens Kit with adapter
- M46 Adapter assembly
- Weapon Mount
- Magnetic Compass
- Camera/Camcorder Adaptor
- Shuttered Eyecup
- External IR Illuminator
- IR Flood/Spot

### TECHNICAL SPECIFICATIONS

Product Modification	PVS-14BE Gen 2+
Product SKU#	BE72140
Magnification, x	1.0
Optical system	26mmF/1.2
Image intensifier tube classification	Auto-gated Gen2+ 64-72 lp/mm
Image intensifier tube s/n ratio	1:20 or better
Field of view, degree	40°
Focus range, in/ m	<u>10"</u> / 0.25 to infinity
Eye relief distance, mm	25
Exit pupil, mm	14
Diopter setting, D	+2, -6
Detection range, approx., <u>yard</u> /m	
-quarter moon	<u>275</u> / 250
-cloud cover	<u>220</u> / 200
Recognition range, approx., <u>yard</u> /m	
-quarter moon	<u>220</u> / 200
-cloud cover	<u>175</u> / 160
Overall dimensions, in/ mm	<u>4.33" x 2.24" x 1.97"</u> / 110x57x50
Weight w/out headgear and batteries, <u>oz</u> /g	<u>11</u> / 310
Weight with headgear, <u>oz</u> /g	<u>18.3</u> / 520
Power supply	AA battery (one) / 1.5V
Estimated battery life w/out IR under 73°F, hour	up to 40
Operating temperature, °F/°C	-59 to +131 / -51 to +55
Water intrusion	Meets MIL-STD-810G environmental test
Humidity, %	up to 98%

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