

AO-PVS-14

Multipurpose Night Vision Monocular by Alpha Optics

- Compact, rugged design
- Waterproof
- Head or helmet mountable
- Manual gain control
- Ergonomic, simple, easy to operate controls
- Built-in Infrared illuminator and flood lens
- Bright light cut-off
- Automatic shut-off system
- MIL-STD-810



The Alpha Optics AO-PVS-14 multipurpose night vision monocular is an outstanding choice for professional night vision applications. Its design is lightweight and tough with superb optics. The device is a complete unit, including an image intensifier tube, a protective and generally water-resistant housing, compatible with different types of mounting systems. A built-in IR illuminator makes it possible to use the unit in low light or total darkness. LED lights indicate low battery and show the user that the IR illuminator is on.

The AO-PVS-14 equipped with manual gain control enables an operator to manually adjust image brightness to adapt to current

ambient light conditions. This feature becomes particularly useful in areas with frequently changing ambient lighting, for example in urban environment. The ability to control output image brightness helps reduce or eliminate the “night blindness effect”. When co-aligned with a red-dot type sight on a Picatinny rail the AO-PVS-14 becomes an integral part of a formidable night vision weapons sighting system.

The most versatile night vision system on the market, the AO-PVS-14 can be handheld, or head/helmet-mounted for hands-free use, or attached to a camera or camcorder for nighttime photography.

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SPECIFICATIONS

Image Intensifier Tube	Gen 2+ or 3
Magnification	1x standard; 3x, 5x, 6x – optional
Field of View	40° (51° - optional)
Lens System	26 mm; F/1.2
Focus Range	0.25 m to infinity
Eye Relief	25 mm
Manual Gain Control	YES
Diopter Adjustment Range	-6 to +4 dpt
Infrared Illuminator with flood lens	Build-in

USER INTERFACE

Control Direct	- Diopter control
	- Focus control
	- ON/OFF button
	- IR ON/OFF button
LED Indicators (in FOV)	- IR Indicator - red
	- Excessive level of light - green
	- Low Battery Indicator - flashing red
Bright Light Cut-Off	YES
Automatic Shut-off System	YES

POWER

Battery Type	One 1.5 V AA
Battery Life	up to 40 hours at 20°

ENVIRONMENTAL

Operating temperature	-51°C to +49°C
Storage temperature	-51°C to +85°C
Waterproof	IP67
Impact-Resistant	YES; drop-test 1m

PHYSICAL

Dimensions	110 x 51 x 57 mm
Weight w/o battery	355 g

PACKAGE INCLUDE

Demist Shield, Sacrificial Window, Neck Cord, AA Battery, Lens Cleaning Tissue, Shoulder Strap, Soft Carry Case, Hard Waterproof Case

Optional Accessories: Head-mount assemblies, helmet mount assembly; 510 FOV Lens Kit; objective lenses (3x, 5x, 6x); quick release weapon mount; camera adaptor; dual bridge mount; AO-ALPHACAM; OTIS lens swabs; lens cleaning kit