

**BE THE FIRST TO SEE** Rugged Upgrade Components

**VYPER**

**Rugged PVS-14 Variant**



The VYPER-14™ is a modular, ruggedized, PVS-14 variant engineered to stand up to the physical stresses of battlefield and other dynamic use environments. Formed of high strength resin the system has impact resistance that far exceeds the standard issue PVS-14.



# VYPER

## Rugged PVS-14 Variant

Photonis is the leader in the design and manufacture of state-of-the-art night vision solutions for superior vision and rugged, long-life systems.



- Simplified maintenance for reduced down time and overall cost.
- Interoperable with legacy components, imaging tubes and accessories.
- Available as complete systems or as modular components for simple upgrade path.
- Greater system protection from impact, shock and water incursion.
- Complies with MIL-PRF-49324(CR), MIL-PRF-49427(CR) and MIL-STD-810G standards for shock, drop and water.
- Lighter weight and improved operational flexibility for expanded capabilities.
- Extends life cycle of existing fielded inventories.

### The VYPER-14™ advantage

The VYPER-14™ night vision device is designed to eliminate many of the common causes of field-related failures such as drop, water incursion, vibration and shock. It is engineered to meet or exceed most performance specifications of the PVS-14, making VYPER-14™ a reliable, long-lasting device that is ideally suited for head-worn or binocular applications.

The VYPER-14™ is made from high-strength resin, resulting in impact resistance that far exceeds the standard issue PVS-14. The rugged chassis easily withstands accidental drops without crack or shattering.

Designed to be strong, the chassis walls encompasses the image intensifier tube to 210° to maintain optical alignment and protect the tube from accidentally dislodging as a result of impact or shock damage. Reinforced mounting interfaces and heli-coiled junctures prevent damage from shearing or cross-threading. The VYPER-14™ has been tested to comply with MIL-PRF-49324(CR), MIL-PRF-49427(CR) and MIL-STD-810G for shock, drop and submersion.

### Standard Kit Includes:

Monocular, Manual, Soft Carry Bag, Battery, Demist Shield, Lens Paper, Sacrificial Filter, Shoulder Strap, Eyecup, Retainer Cord, and J-Arm Assembly

#### Optics:

Magnification	1X
Field of View	40 degrees
Objective Lens	27 mm (1.1 in) f1.2
Minimum Focus Distance	25 cm (1.9 in)
Eye Relief	25 mm (1 in)
Diopter Adjustment	-2 to +2 (minimum)

#### Physical Characteristics:

Size	11.4 cm L x 5.1 cm W x 5.7 cm H (4.5 in L x 2.0 in W x 2.2 in H)
Weight	290 g with battery
Warranty	1 year
Specifications Compliance	MIL-PRF-49324(CR) MIL-PRF-49427(CR) MIL-STD-810G

#### Power:

Source	1 AA Battery
Battery Life	40 hours at room temperature

To learn more, contact us at [nightvision@photonisdefense.com](mailto:nightvision@photonisdefense.com)



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