

UPGRADE TO RUGGED

NIGHT VISION THAT PERFORMS

Smartly engineered to eliminate most common causes of field-related failures to retain your night-time advantage.

COMPONENTS



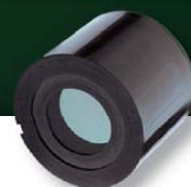
SYSTEMS



ACCESSORIES



IMAGE TUBES



VYPER 14™

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.



VYPER-14™ UPGRADE BENEFITS

Greater System Protection from impact, shock, and water incursion. Complies with MIL-PRF-49324(CR), MIL-PRF-49427(CR) and MIL-STD-810G

Lighter Weight and Improved Operational Flexibility for expanded capabilities

Extends Life Cycle of existing fielded inventories

Simplified Maintenance for reduced time and overall cost

Interoperable with Legacy Components, imaging tubes and accessories

Available as complete systems or as modular components for simple upgrade path

SPECIFICATIONS

THE VYPER-14™ ADVANTAGE

The VYPER-14™ 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™ night vision device is formed from high strength resin, resulting in impact resistance that far exceeds the standard issue PVS-14.

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.

Standard Equipment (Included):	Monocular, Manual, Soft Carry Bag, Battery, Demist Shield, Eyecup, Lens Paper, Sacrificial Filter, Shoulder Strap, Retainer Cord, 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)
Power:	
Source	1 AA Battery
Battery Life	40 hours at room temperature
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
Standards Compliance	MIL-PRF-49324(CR), MIL-PRF-49427(CR) and MIL-STD-810G
Part Number/Tube Options:*	
D-VYP14-SYS-1400	Resolution: 64 lp/mm (min) Signal to Noise: 19:1 (min) (21:1 Typical)*
D-VYP14-SYS-1600	Resolution: 64 lp/mm (min) Signal to Noise: 21:1 (min) (24:1 Typical)*
D-VYP14-SYS-1601	Resolution 64 lp/mm (min) Signal to Noise: 26:1 (min) (28:1 Typical)*



Objective Lens Clip
Eliminates Disassembly



Heli-coiled Junctures
Prevent Stripped Screws



210° Tube Retention
Without Epoxy

* Export of the items described herein is strictly prohibited without a valid export license issued by the U.S. Department of State, Directorate of Defense Trade Controls as proscribed in the International Traffic In Arms Regulations (ITAR), Title 22 Code of Federal Regulation, Parts 120-130.



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