

# 35% LIGHTER OPTICS

## PEAK LGRIN OEM OPTICS

- Reduce Design Timelines
- 35% Lighter Eyepiece and Objective Assemblies
- Sharper Resolution Across the Field of View
- Affordable Upgrade
- Reduced Neck Torque
- Excellent Eye-Box Performance
- Compatible with Both P43 & P45 Phosphor Tubes
- 5-Year Warranty for Parts
- Made in the United States



## HAWKSIGHT OPTICS PVS-14 UPGRADE **PEAK AND WILCOX**

### HawkSight Lens - 35% Lighter with Increased Clarity

Peak now produces 65g eyepiece and objective assemblies featuring cutting-edge metamaterial-based lenses, an enhancement to conventional glass optics. These lenses are powered by our advanced LGRIN (Layered Gradient Refractive Index) technology. Upgrading to our LGRIN nanolayered lenses, proudly made in the United States, provides a substantial weight reduction without having to fully replace the night vision goggle (NVG) housing.

- Boost operational tempo with weight reduction of PVS-14 NVG bins
- Optimize lethality through faster target identification with improved clarity
- Improves survivability with optimal adversary identification over distance



### Wilcox G24 Dovetail Upgrades

Peak has joined forces with Wilcox Industries, a renowned leader in helmet mounting systems. The G24 Mount, which has been extensively field-tested and then refined by operators, stands out as a reliable choice.

Pioneering the innovative "breakaway" feature, this mount allows for disconnection from the base under stress if desired, minimizing the risk of neck injury. The G24 mount is the go-to solution for night vision goggles, and complete mount/shroud kits are readily available.

Wilcox and Peak provide a 5-year warranty on every shroud and helmet mount used together as a system, ensuring unparalleled confidence and reliability.

- Advanced breakaway technology
- Field-proven by global warfighters
- 5-year warranty included



Wilcox G24



HAWKSIGHT™





## Peak and Wilcox PVS-14 Optics Upgrade

Peak Nano's LGRIN and glass optical assembly consistently outperforms glass-only optics across weight, eye-box, and resolution requirements.

# PVS-14



### HAWKSIGHT OBJECTIVE LENS SPECIFICATIONS

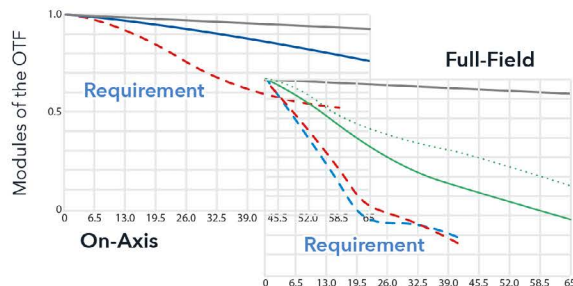
Part Number	990001
Weight	< 40 grams
EFL	27.03 +/- 0.5 mm
Flange Focal Distance	1.23 mm
F/#	Field of View
Field of View	40.0° +/- 2° for a 17.5 mm image format
Relative Illumination	40% of the on-axis illumination
Distortion	9.5% at 9 mm semi-field height
Immersion	Yet to be measured

### HAWKSIGHT EYEPIECE LENS SPECIFICATIONS

Part Number	990002
Eye Relief	25 mm +/- 0.2 mm
Weight	< 36 grams
EFL	27.03 +/- 0.5 mm
Flange Focal Distance	10 mm
Exit Pupil Diameter	5 mm
Field of View	40.0° +/- 2° for a 17.5 mm image format
Diopter Focus	+2 to -6 diopters with 25 mm eye relief
Distortion	9.5%, +/- 0.5% at 9 mm semi-field height
Immersion	Yet to be measured

## Performance

The as-designed and as-manufactured performance surpasses MIL-SPEC requirements across the temperature range.



Key metric for eyepiece is performance over eye box- has commensurate performance of the PVS-15 (gold standard) over the eye box.

