

HAWKSIGHT



DATA SHEET | 

PEAK HAWKSIGHT™ OPTICS
PVS-14 PEAK AND WILCOX
RESET/UPGRADE



30% LIGHTER OPTICS

PEAK LGRIN OEM OPTICS

- Reduce Design Timelines
- 30 Percent 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 RESET PEAK AND WILCOX

HawkSight Lens - 30% Lighter with Increased Clarity

Peak now produces 65g eyepiece and objectives assemblies featuring cutting-edge metamaterial-based lenses, the revolutionary enhancement to conventional glass lenses. 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 upgrade without requiring a full replacement of the NVG housing.

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



Wilcox G24 Dovetail Upgrades

Peak has joined forces with Wilcox Industries, renowned leader in helmet mounting systems. The G24 Mount, extensively field-tested by operators and refined based on their hands-on experience with our product, 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 confidently backs our partnership with a 5-year warranty on every shroud and helmet mount used together as a system, ensuring unparalleled confidence and reliability.

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



Wilcox G24





Peak and Wilcox PVS-14 Optics Upgrade

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



PVS-14

HAWKAI 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

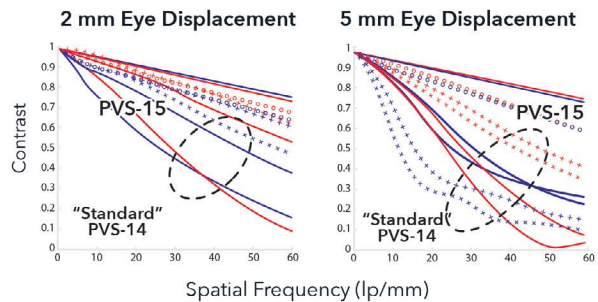
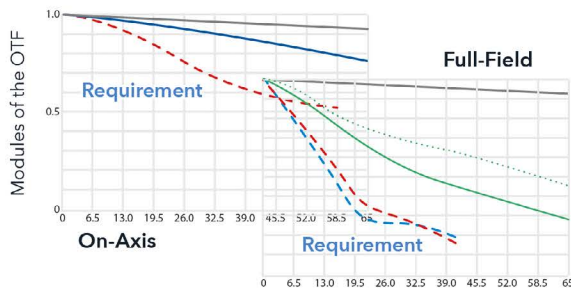
HAWKAI EYEPIECE LENS SPECIFICATIONS

Part Number	990002
Eye Relief	25 mm +0/-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.



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