HAWKSIGHT

DATA SHEET

PEAK HAWKSIGHT™ OPTICS
OEM SOLUTIONS

LGRIN OPTIMIZED PERFORMANCE

PEAK LGRIN OEM OPTICS

- **Reduce Design Timelines** Peak's HawkAI™ optics design software dramatically reduces optics design timelines.
- **Optimize Cost & Supply Chain** Adding LGRIN optics to your OEM designs will reduce BOM costs and simplify your supply chain.
- **LGRIN Optimized Performance** HawkAI lenses optimize optics performance, enhancing field of view, color clarity, and distance.
- **Up to 50% Lighter than Glass** Peak optics are built with lightweight metamaterial technology.
- **Up to 2x Thinner than Glass** LGRIN lenses are up to 2x thinner than comparable glass lenses.
- **Optimized LGRIN Clarity** LGRIN addresses spherical and chromatic aberration issues inherent in glass optics by utilizing multi-layered heterogeneous metamaterials. Our NanoPlex™ metamaterials manage aberrations to the edge of the lens for optimal clarity.
- **U.S. Design and Manufacturing** Peak products are proudly engineered and manufactured in the U.S.

MADE IN USA

HAWKAI™

OEM SOLUTIONS FOR OPTIMIZING PERFORMANCE AND WEIGHT REDUCTION

Designing and Delivering Differentiated OEM Optics

Peak is the leader in LGRIN optics design that unites next-generation optics performance for clarity, color correction, field of view, and distance vision with ultra-lightweight nanolayered metamaterials. LGRIN technology enables optics that are lighter, thinner, and can consolidate lenses for optics systems designs. Peak's LGRIN optics technology allows you to re-image your optics designs, systems and solutions. LGRIN can enable more compact designs, reduce weight, improve optics performance, reduce optics systems BOM components, and provide a soley U.S. based or U.S. and allied-nation based supply chain.

OEM Optimized Design Process

1 | **Development & Design Agreement** - Peak and the OEM establish a mutual non-disclosure agreement and share program objectives and requirements.

2 | **OEM Differentiated Design Specs** - The OEM customer provides Peak with specifications, and the prototype is available as an engineering Interface Control Document (ICD).

3 | **Development Samples** - After the design review and acceptance of the proposal, Peak returns the sample system and provides an engineering ROM estimate for the functional working design.

OEM Applications


Fire Control

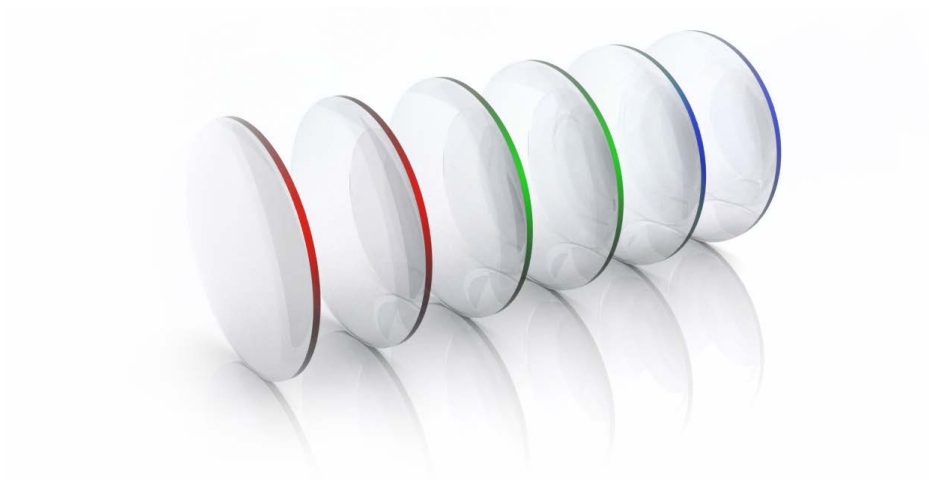

Night Vision


Drones


Camera Systems


Surveillance Systems


Field Optics



HAWKSIGHT OPTICS BENEFITS

- 50% LIGHTER OPTICS
- 2X THINNER LENSES
- OPTIMIZED COLOR CLARITY
- EXPANDED FIELD OF VIEW
- CONSOLIDATE OPTICS DESIGNS
- U.S. BASED MANUFACTURING

Peak Creates OEM Differentation

Peaks' LGRIN optics are developed from our NanoPlex metamaterial with over 800 versions of refractive indexes that can be used to build OEM-specific optics designs. Our HawkAI design software will test millions of design combinations to create ideal optics solutions for our OEM partners.

Our advanced optics manufacturing methodologies and nanoscale diamond-turning processes for precise lens prescription and metrology quality testing deliver world-class optics that create an OEM differentiation. Here are five ways Peak's HawkSight lenses are differentiated from any other optics on the planet:

1. **Unparalleled Optics Performance** – LGRIN technology improves the field of view (FOV), color clarity, and target identification distance for night vision devices, fire control systems, and other high-performance optics systems.
2. **HawkAI Machine Learning Optics Design** - Peak HawkAI machine learning design software will test millions of permutations to find the optimal optics design for your OEM application.
3. **Optics Clarity** – LGRIN technology significantly improves issues related to spherical and chromatic aberrations that make glass optics complex and difficult to design.
4. **Nanoscale Diamond Turning to Prescription** - Our diamond-turning process can remove layers as small as two molecules of thickness.

Peak Enables the OEM to Create New Optics Value

Peak works with OEMs to build optics solutions that meet your market demands and provide new ways to create value and differentiation. We can help OEMs reduce design timelines, lower BOM costs, save engineering resources, and optimize around a U.S.-based supply chain.

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