

## MKS Announces Ophir® MWIR Long Range Lens Named 2020 PRISM Award Finalist

**Continuous zoom lens designed for security and surveillance applications  
in complete darkness over long distances**

Andover, Massachusetts, January 7, 2020 – [MKS Instruments, Inc.](http://www.mksinst.com) (NASDAQ: MKSI), a global provider of technologies that enable advanced processes and improve productivity, is honored to announce that the **Ophir® SupIR 50-1350mm MWIR f/5.5 long range, motorized continuous zoom lens** has been chosen as a 2020 PRISM Awards finalist. The PRISM Awards are an annual international competition that honors the best new optics and photonics products on the market. Nominated in the category of Safety & Security, this high-performance continuous zoom lens is designed to provide ultra-long-range capabilities for advanced thermal imaging cameras in security and surveillance applications.

The Ophir **SupIR 50-1350mm f/5.5** continuous zoom lens is based on a unique folded-optic design with the longest focal length of 1350mm and a 27x motorized zoom ratio, suited for VGA and HD IR sensors. The lens is optimized for stabilized payloads with capabilities for high-resolution vision and identification in harsh environmental conditions and on constrained platforms while maintaining focus and tight line of sight (LOS) retention through the entire zoom range. Such features open up new commercial and defense applications, such as visualizing objects and situations that may not be visible to the human eye, for small size UAVs, threats at airports and state borders, gas leaks, and more.



"The unprecedented performance of the SupIR 50-1350mm f/5.5 motorized zoom lenses allows high-resolution surveillance and identification in complete darkness over long distances of 25+km," said Kobi Lasri, General Manager of Ophir Optics Group. "This recently launched zoom lens further expands our successful line of industry-leading long-range IR zoom lenses for cooled MWIR detectors."

For more information:

2020 PRISM Award finalists

<http://www.photonicsprismaward.com/finalists>

SupIR 50-1350mm f/5.5 lens data sheet

[https://www.ophiropt.com/optics/lens\\_sub\\_assembly/catalog/680356.pdf](https://www.ophiropt.com/optics/lens_sub_assembly/catalog/680356.pdf)

Long range lenses series

<https://www.ophiropt.com/infrared-optics/infrared-optics-applications/long-range>

### **About MKS Instruments**

MKS Instruments, Inc. is a global provider of instruments, subsystems and process control solutions that measure, monitor, deliver, analyze, power and control critical parameters of advanced manufacturing processes to improve process performance and productivity for our customers. Our products are derived from our core competencies in pressure measurement and control, flow measurement and control, gas and vapor delivery, gas composition analysis, residual gas analysis, leak detection, control technology, ozone generation and delivery, power, reactive gas generation, vacuum technology, lasers, photonics, sub-micron positioning, vibration control, optics and laser-based manufacturing solutions. We also provide services relating to the maintenance and repair of our products, installation services and training. Our primary served markets include semiconductor, industrial technologies, life and health sciences, research and defense. Additional information can be found at [www.mksinst.com](http://www.mksinst.com).

### **About the Ophir Brand**

Ophir is a brand within the MKS Instruments Light & Motion division. The Ophir product portfolio consists of laser and LED measurement products, including laser power and energy meters, laser beam profilers measuring femto-watt to hundred-kilowatt lasers, high-performance IR and visible optical elements, IR thermal imaging lenses and zoom lenses for defense and commercial applications, OEM and replacement high-quality optics and sub-assemblies for CO<sub>2</sub> and high-power fiber laser material processing applications. Ophir products enhance our customers' capabilities and productivity in the semiconductor, industrial technologies, life and health sciences, research and defense markets. For more information, visit [www.ophiropt.com](http://www.ophiropt.com).

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Sales Inquiries: [mktg@ophiropt.com](mailto:mktg@ophiropt.com)

**For more information, contact:**

Vered Aizenshtat, Marcom Manager, Optics Division

Ophir Business Unit

Science-Based Industrial Park, Har Hotzvim

Jerusalem 9145001, Israel

Tel: +972-52-2550566

E-mail: [vered.aizenshtat@ophiropt.com](mailto:vered.aizenshtat@ophiropt.com)

Web: [www.ophiropt.com](http://www.ophiropt.com)

Shari Worthington, PR

Telesian Technology

49 Midgley Lane, Worcester, MA 01604

Tel: +1 508-397-6345

E-mail: [sharilee@telesian.com](mailto:sharilee@telesian.com)