

## **FOR IMMEDIATE RELEASE**

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## **Meadowlark Optics Launches Two New Analog Spatial Light Modulators: High Resolution 1920 x 1152 and High Speed 512 x 512**

### ***Industry Leading Phase Stability Combined with High Resolution and High Speed***

FREDERICK, Colorado – February 13, 2016 – Meadowlark Optics (Meadowlark), a leading provider of Spatial Light Modulators (SLMs) is pleased to announce the launch of two new analog SLMs with resolutions of 1920 x 1152 and large format 512 x 512. SLMs are used to control incident light in amplitude, phase, or the combination of both on a pixel-by-pixel basis for computer generated holography (CGH) used in optogenetics, microscopy, wavefront correction, beam steering, telecommunications and more. Both SLMs will be showcased in the Meadowlark booth at BIOS (#8443) and Photonics West (#2300) tradeshow in San Francisco, CA, February 13<sup>th</sup> – 18<sup>th</sup>, 2016.

Meadowlark's **1920 x 1152 SLM** is the industry's highest resolution analog phase modulator. As with all Meadowlark SLMs, this new high resolution system provides a very stable phase response in addition to high fill factor and high optical power handling. The HDMI controller has a compact form factor providing 12-bits of phase control at each pixel.

The new **512 x 512 SLM** was designed with larger pixels, and additional optical shielding which makes it ideal for high powered laser applications. The high voltage, high refresh rate and proprietary liquid crystal creates industry leading response times and phase stability. The 16-bit DVI controller provides easy integration for research applications.

“We are excited to announce these new SLMs. These products are a direct response to the challenging applications our customers are facing,” said Tom Baur, Founder and CTO. “We pride ourselves for being at the forefront of SLM innovation, and these new backplanes answer the demand for higher speeds and resolution while maintaining the lowest phase ripple available on the market.”

### **About Meadowlark Optics:**

Meadowlark has provided world-class liquid crystal solutions and polarization optics for a variety of applications since 1979. To ensure precision and top quality, our 20,000 square foot headquarters and manufacturing facility boasts the latest in clean rooms, optical fabrication, metrology equipment and a breath-taking view of Colorado's Front Range. For more information, visit [www.meadowlark.com](http://www.meadowlark.com) or call 303-833-4333.

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