

A spatial light modulator (SLM) is a pixellated liquid crystal device that can individually control the phase value of each pixel. It imposes spatially varying modulation onto an incident beam, allowing for the ...

GAEA-2.1 Phase Only LCOS-SLM The GAEA-2.1 Spatial Light Modulator is the highest resolution SLM on the market with extremely small pixel pitch.

Spatial light modulator (SLM) is a general term describing devices that are used to modulate amplitude, phase, or polarization of light waves in space and time.

Our SLMs support free-space optics, modulators for continuous wave (CW) sources, and advanced temporal light control. Integration with IR receivers, IR remotes, or LED lights makes them suitable ...

Emerging demands for dynamic wavefront modulation in holographic displays, augmented/virtual reality, and light detection and ranging require spatial light modulators (SLMs) with ...

OverviewElectrically-addressed spatial light modulator (EASLM)Optically-addressed spatial light modulator (OASLM)Application in ultrafast pulse measuring and shapingExternal linksA spatial light modulator (SLM) is a device that can control the intensity, phase, or polarization of light in a spatially varying manner. A simple example is an overhead projector transparency. Usually when the term SLM is used, it means that the transparency can be controlled by a computer. SLMs are primarily marketed for image projection, displays devices, and maskless lithography. SLMs are also used in optical computing and holographic optical tweezers.

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A schematic of a liquid crystal on silicon (LCOS) spatial light modulator (SLM) showing how applied voltage reorients liquid crystal molecules to modulate the phase of incident light, which is then ...

Manipulation of light at the nanoscale is cornerstone for the realization of miniaturized optical devices with enhanced efficiencies. In this regard, the emerging technology of flat optics allows controlling the ...

It's all about controlling light in ways that unlock amazing possibilities in science and tech. A Spatial Light Modulator (SLM) is a device designed to manipulate light waves by controlling ...

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