Reflective Spatial Light Modulator

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 ...

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Learn about Spatial Light Modulators (SLMs), including optically addressed and electrically addressed types, their drawbacks, and a list of vendors.

It can easily write specific information into light waves to achieve the purpose of light wave modulation. Through the image signal, the voltage of each pixel is dynamically controlled in real time, so as to ...

The SLM-200 is a high-performance spatial light modulator based on LCOS technology. It is a standard model ideal for a wide range of applications that require precise light control.

Schematic of a liquid crystal-based Spatial Light Modulator. Liquid crystals are birefringent, so applying a voltage to the cell changes the effective refractive index seen by the incident wave, and thus the ...

What are Spatial Light Modulators? Spatial light modulators (SLMs) are a type of transmissive or reflective device that is used to modulate amplitude, phase, or polarization of an optical wavefront in ...

Here we introduce a new class of spatial light modula-tor that provides both 2D pixel geometry and high speed. The device operates by encoding spatial information in frequency bins via a broadband ...

HOLOEYE´s Spatial Light Modulator systems are based on translucent (LCD) or reflective (LCOS) liquid crystal microdisplays. The use of LC materials in SLMs is based on their optical and electrical ...

Our liquid crystal on silicon (LCoS) spatial light modulators boast exceptional speed, efficiency, and high resolution, ensuring accurate and reliable results. Contact a Meadowlark Optics Solutions Engineer ...

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