

SLM optical module



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What is LCOS-SLM? An LCOS-SLM (Liquid Crystal On Silicon - Spatial Light Modulator) consists of a head and a controller. The head has an address section where laser light enters and the controller ...



Fraunhofer IPMS leverages MEMS technology to deliver tailored SLM solutions for industry and research, enabling precise and fast light modulation. Application areas of spatial light modulators ...



Advancements in Spatial Light Modulator (SLM) technology continue to push boundaries in optical innovation. Researchers and engineers are focusing on increasing resolution, expanding modulation ...



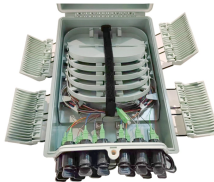
Santec 's LCOS (Liquid Crystal on Silicon) Spatial Light Modulator (SLM) is an optical device that precisely controls the phase, amplitude, and polarization of light.



SLMs are also used in optical computing and holographic optical tweezers. Usually, an SLM modulates the intensity of the light beam. However, it is also possible to produce devices that modulate the ...



Written by our SLM specialist, Peter Collins, this blog post is aimed to help you understand the fundamentals for specifying a new SLM and will focus mainly on ...



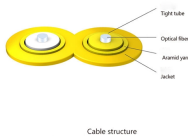
Spend your time on important research rather than designing an optical system for your SLM. The SLM Optics Kit provides you with a set of optics and cage-mount components enabling the user to start ...



Written by our SLM specialist, Peter Collins, this blog post is aimed to help you understand the fundamentals for specifying a new SLM and will focus mainly on Parallel Aligned Nematic devices. ...



LCOS-SLM are reflective spatial light phase modulators that freely modulates optical phases and optical phase of laser is modulated by the liquid crystal. Wavefront control of the light ...



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 ...



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.

Contact Us

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