

Suppliers of spatial light modulators



AI Overview

Leading manufacturers of spatial light modulators include Hamamatsu Photonics, Meadowlark Optics, Fraunhofer IPMS, and HOLOEYE Photonics AG, offering LCOS, DMD, and micromirror-based SLM technologies.

Overview of SLM Manufacturers

Hamamatsu Photonics produces reflective LCOS-based SLMs capable of precise phase modulation, suitable for applications such as wavefront control, super-resolution microscopy, optical beam photolithography, and projection imaging . Meadowlark Optics Inc. specializes in both standard and custom polarization control components, including LC devices and SLMs. Their products are used in optogenetics, aerospace, defense, medical imaging, semiconductor inspection, and astronomy . Fraunhofer IPMS develops micromirror-based SLMs with high pixel counts and advanced actuator functions, including single-axis tilt, dual-axis tilt, and piston mirrors. These SLMs are applied in optical microlithography, adaptive optics, holography, display technologies, and quantum computing . HOLOEYE Photonics AG offers highly customizable SLMs, LCOS microdisplay components, and diffractive optical elements. Their solutions support industrial integration, R&D, and applications requiring phase modulation, monochrome or color projection, and high-speed operation .

Key Technologies

- LCOS (Liquid Crystal on Silicon): Preferred for precise phase modulation and holography.
- DMD (Digital Micromirror Device): High-speed binary amplitude modulation, often used in laser beam shaping and projection.

Article Content

Spatial Light Modulators – Buyer's Guide & Suppliers

12 suppliers for spatial light modulators (SLM) are listed in the RP Photonics Buyer's Guide, out of which

Spatial Light Modulators

Thorlabs' High-Power Spatial Light Modulators (SLMs) are designed for applications requiring highly stable

6 Light Modulator Manufacturers in 2026

JENOPTIK AG Manufacturer Distributor Light Modulators Website Company Profile Company Overview Jenoptik AG, established in

Spatial Light Modulator Market Size, Share, and Trends Analysis 2032

Global Spatial Light Modulator Market, Supply Chain Analysis and Ecosystem Framework To support market growth and help clients

Spatial Light Modulator Companies

Spatial light modulator (SLM) companies manufacture devices that control the amplitude, phase, and polarization of

Spatial Light Modulators | Suppliers

Explore 8 top manufacturers and suppliers of Spatial Light Modulators in our comprehensive photonics buyers' guide. A spatial light

Transmission amplitude spatial light modulator | SIMTRUM Photonics

Transmission amplitude spatial light modulator is a kind of amplitude spatial light modulator, which has ultra-high spatial resolution,

Spatial Light Modulators Manufacturers and Suppliers in the

DLP is expanding the DLP® market worldwide and spawning advanced applications for high speed lightmodulation. Digital Light

Spatial Light Modulators Category

Spatial Light Modulators - Delivering the highest quality optics for over 40 years: polarizers, photonics, and

Spatial Light Modulator Manufacturers

Spatial light modulators (SLMs) are devices used to modulate the phase, amplitude, or polarization of light spatially across a two

Spatial Light Modulator (LCOS-SLM) | Santec AOC

What is a Spatial Light Modulator? Spatial light modulators are optical devices that electrically control the

Spatial Light Modulators

Spatial light modulator (SLM) is a general term describing devices that are used to modulate amplitude,

Spatial Light Modulator

The Spatial Light Modulator (SLM) offers high-resolution phase modulation, first-class stability and versatile

Spatial Light Modulator

Transmissive Spatial Light Modulator Our transmissive hexagonal array SLMs are designed for adaptive optics applications. The two

SURPRISE – Spatial Light Modulators for Space Applications

Spatial light modulators are the most suitable solution for this task because variable image patterns can be generated at high speed.

Spatial light modulators

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PLUTO-2.1 LCOS Spatial Light Modulator

The PLUTO-2.1 LCOS Spatial Light Modulator is the all-rounder within our product range. It is the best

Spatial Light Modulators

Spatial Light Modulators Spatial Light Modulators that use both translucent and reflective liquid crystal micro-display technology to

Spatial Light Modulator

Whether for laser processing, research or medical technology – in our range you will find Spatial Light

Spatial Light Modulators Expand Beyond Established Markets

Industrial, biomedical, and display technologies are spurring spatial light modulators into an era of speed, durability, and adaptability.

Spatial Light Modulators

Our liquid crystal on silicon (LCoS) spatial light modulators boast exceptional speed, efficiency, and high resolution, ensuring

Contact Us

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