

Imported Spatial Light Modulator Supplier



Overview

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

Key Takeaways

Leading imported Spatial Light Modulator suppliers include Meadowlark Optics, HOLOEYE Photonics, and other global manufacturers listed in RP Photonics and Volza directories.

- Meadowlark Optics: Offers Liquid Crystal on Silicon (LCoS) SLMs optimized for pure phase applications with high refresh rates (up to 1400 Hz). Their products support adaptive optics, holography, optical tweezing, and quantum technologies, making them suitable for high-precision research and industrial applications .

- HOLOEYE Photonics AG: Provides SLM systems based on reflective (LCOS) or transmissive (LCD) liquid crystal microdisplays. Their devices use vertical aligned nematic (VAN), parallel aligned nematic (PAN), or twisted nematic (TN) microdisplay cells, enabling precise phase and amplitude modulation for advanced optical experiments .

- **Other Global Suppliers:** RP Photonics lists multiple SLM suppliers worldwide, including distributors and manufacturers of both electrically addressed SLMs (EASLMs) and digital micromirror devices (DMDs). These suppliers cater to applications such as laser beam shaping, adaptive optics, holography, optical tweezers, and pulse shaping .

Import/Export Data and Buyer Insights

- **Volza Trade Database:** Provides detailed import/export records for SLMs across 203 countries, including shipment volumes, pricing, and top buyers and suppliers. This resource is useful for identifying reliable international suppliers and understanding market trends for imported SLMs .

- **Photonics Buyers' Guide:** Lists top manufacturers and suppliers, including Meadowlark Optics, with detailed product descriptions and applications. This guide helps compare suppliers based on technical specifications and industry focus .

Considerations for Selecting Imported SLMs

- **Technology Type:** Choose between LCOS, DMD, or LCD depending on whether phase, amplitude, or polarization modulation is required.

- **Application Needs:** High-speed modulation, precise phase control, or holographic imaging may dictate the choice of supplier and SLM type.

- **Supplier Reliability:** Evaluate suppliers based on delivery history, technical support, and global trade records. Tools like RP Photonics' evaluation matrix or Volza's import/export data can assist in this assessment. By leveraging these resources, you can identify reputable imported SLM suppliers, compare product specifications, and make informed purchasing decisions for research or industrial applications.

Article Content

Spatial Light Modulators – Buyer's Guide & Supplier List

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

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Spatial Light Modulators Manufacturers and Suppliers in the

Distributor of modulators for audio, automotive, medical, lighting and instrumentation applications. Operating temperature ranges

Spatial Light Modulator Export Import Data, Buyers & Suppliers List

We update World Spatial light modulator export import data, buyers & suppliers directory every month, basis of import export data

Spatial Light Modulators

Spatial Light Modulators from the leading manufacturers are listed on GoPhotonics. Use parametric search tool to find products

Spatial Light Modulator manufacturers, China Spatial Light Modulator ...

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Optical Modulators – Buyer's Guide & Supplier List | RP Photonics

This buyer's guide for optical modulators provides technical background, comparison of major types, selection criteria, and an

Spatial Light Modulator Manufacturers

They are used in holographic displays, augmented and virtual reality devices, and 3D sensing systems where flexible pattern

Explore SLMs for Your Applications

SLMs - Delivering the highest quality optics for over 40 years: polarizers, photonics, spatial light modulators, and more.

Spatial Light Modulators Category

Meadowlark Optics specializes in liquid crystal on silicon (LCOS) spatial light modulators that combine

Spatial Light Modulator

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

Transmission amplitude spatial light modulator

Transmission amplitude spatial light modulator is a kind of amplitude spatial light modulator, which has

Spatial Light Modulators

Manipulate each pixel in real-time to dynamically modify the amplitude and/or phase of incident light with new spatial light modulators.

Spatial Light Modulator Supplier Applications and Configuration

Choose SLM-Spec-PAA380 according to the intended application, compatibility, available details, and order requirements. For

Spatial Light Modulator (SLM) Basics and Vendors

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

Spatial Light Modulators Manufacturers and Suppliers in the

Manufacturer of photoelastic modulators (PEMs), components, and measurement systems. Products include birefringence

Spatial Light Modulator Global Market Report 2026

Spatial Light Modulator Global Market Report 2026 - A spatial light modulator (SLM) is a device that manipulates light

Spatial Light Modulator Market

Spatial Light Modulator Market Size and Share Forecast Outlook From 2025 to 2035
The global spatial light modulator

Spatial Light Modulator Market

As manufacturers continue to invest in research and development, the Spatial Light Modulator Market is likely to benefit

Spatial Light Modulator | CNILaser

As a product carrier for digital optical technology applications, spatial light modulators can change the amplitude, polarization state or

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Spatial Light Modulator Companies

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

Global Spatial Light Modulator Market Size, Industry Growth

The Spatial Light Modulator (SLM) market encompasses advanced optical devices that manipulate light waves in a

Spatial Light Modulator: Revolutionizing Optical Technologies

How do Spatial Light Modulators work? SLMs work by adjusting the intensity and phase of light at the pixel level.

Spatial Light Modulator (SLM) | Bi-Pol Electro-Optics & Microfluidics

The Meadowlark SLMs are high-performance liquid crystal spatial light modulators designed for precise, programmable control of

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This buyer's guide for optical modulators provides technical background, comparison of major types, selection criteria, and an

Spatial Light Modulator Market Size & Share Report,

The spatial light modulator market is undergoing significant transformation, mainly propelled by key efforts from manufacturers to

Imported Space Light Modulator Manufacturers

A. Use this spatial light modulators buying guide to compare major types, define selection criteria, and find suppliers: Professional

Spatial Light Modulators

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

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Spatial Light Modulator Market Size & Share 2024

Spatial Light Modulator Market Size Spatial Light Modulator Market was valued at over USD 1 billion in 2023 and is estimated to

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6 Light Modulator Manufacturers in 2026

This section provides an overview for light modulators as well as their applications and principles. Also, please take a look at the list

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