Spatial Light Modulator Holo



Overview

HOLOEYE offers 3 different LETO-3 Spatial Light Modulator versions which are optimized for the use at different wavelength ranges or for different applications.

Article Content

Spatial light modulator via optically addressed metasurface

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

SPATIAL LIGHT

HOLOEYE offers 3 different LETO-3 Spatial Light Modulator versions which are optimized for the use at different wavelength ranges or for different applications.

Spatial Light Modulators and Their Applications in

Replacing the conventional optical elements from the SLM-based computer-generated holograms (CGHs) is a trending approach in modern digital

Holographic eXtended Reality Onyx Spatial Light

Swave''s Holographic eXtended Reality (HXR) Onyx Spatial Light Modulator is the world''s first true holographic display chip that sculpts and steers light to form high

Subwavelength spatial light modulator for holographic augmented

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To address these limitations, Swave Photonics developed a subwavelength Spatial Light Modulator (SLM) based on Phase-Change Material pixels on a silicon backplane, achieving a pixel

Multiplane Holographic Imaging Using the Spatial Light

The rapid generation of high-precision computer-generated holograms (CGHs) is a crucial task in the development of holographic 3D

Spatial light modulator

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

LC 2012 Spatial Light Modulator (transmissive)

The LC 2012 Spatial Light Modulator is our basic system based on a translucent liquid crystal microdisplay with a resolution of 1024 x 768 pixel (XGA).

(PDF) Dynamic 3D holographic projection of vectorial images with a ...

Concept of dynamic 3D projection of vectorial images with an MMF. (a) Strong coupling between the spatial and polarization degrees of freedom of light propagating through an MMF,

LETO Phase LCOS Spatial Light Modulator

Fill factor: 93% Input frame rate: 60 Hz (180 Hz) Three different LETO LCOS Spatial Light Modulator versions are available, optimized for the use at different wavelength ranges. The LETO phase only

Spatial Light Modulators

SLM Spatial Light Modulators PLUTO-2.1 Phase Only Spatial Light Modulator Series The PLUTO Spatial Light Modulator is the all-rounder within our product range.

GAEA-2.1 Phase Only LCOS-SLM

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.

Short distance illumination of a spatial light modulator using a curved ...

U.S. Patent Application US20210080741A1 for a display device includes a light source, a spatial light modulator, and an optical assembly. The light source is configured to provide illumination light and

Highly integrated active Spatial Light Modulators – from imaging to ...

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Highly integrated active spatial light modulators are explored for applications in imaging and holography, showcasing advancements in optical technology.

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 qualified and diversified SLM platform.

LUNA Phase Only Spatial Light Modulator

The LUNA Phase Only Spatial Light Modulator is our most compact SLM platform for integration into small sized or even portable solutions.

From Microchips to Holograms – the Perfect Light Modulation ...

Fraunhofer IPMS develops photonic microsystems that modulate light using small, controllable mirrors to create unique images and structures. These so-called spatial light modulators

Multiplane Holographic Imaging Using the Spatial Light Modulator

In recent years, spatial light modulators (SLMs) have gained popularity as programmable devices for dynamic optical modulation. By recording the wavefront of a beam, holograms can store

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