HoloEye Spatial Light Modulator Installation

Overview

In order to use the Holoeye LC 2012 SLM, you will need to manually download Holoeye's SLM Display SDK and install it. Note that this step is not a requirement for the other SLMs to work. As a reminder, unfortunately, only Windows operating systems are currently. 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. HOLOEYE´s Spatial Light Modulator systems are based on translucent (LCD) or reflective (LCOS) liquid crystal microdisplays. in extended desktop mode for a second monitor) and no special software or drivers are necessary to operate the SLM. No Raspberry Pi for the Adafruit and Nokia SLMs?

The main goal of this repository is to provide a common API for different SLMs, allowing them to. GitHub - holodyne/slmsuite: Python package for high-performance spatial light modulator (SLM) control and holography. Supports features from aberration-corrected 3D point clouds to automated Fourier-domain calibrations. · GitHub Add testing github ci/cd. We will also show how to connect the SLM and perform a simple test of the device function by addre In.

Article Content

pymodaq_plugins_holoeye · PyPI

Infos The SDK from Holoeye is required to operate those plugins. All plugins can also receive a numpy array directly to be loaded into the SLM. Working with SLM Display SDK (Python) <

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).

SLM Display SDK

SLM Display SDK The HOLOEYE SLM Display Software Development Kit (SDK) is an interface to show images and data/phase arrays directly on the SLM from

ERIS-1.1 Phase Only Spatial Light Modulator

The ERIS phase only Spatial Light Modulator is based on an 0.717″ LCOS microdisplay with a resolution of 1920×1200 pixels and 8µm pixel pitch.

slmsuite — slmsuite v0.4.1 Manual

slmsuite is a Python package for high-precision spatial light modulator (SLM) control and holography. slmsuite enables spot-specific Zernike aberration correction; capable of optimizing spot

Holoeye Spatial Light Modulator

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.

HOLOEYE Photonics: ERIS-1.1 Spatial Light Modulator Configuration

HOLOEYE Photonics: ERIS-1.1 Spatial Light Modulator Configuration HOLOEYE Photonics AG 324 subscribers 9 569 views 10 months ago

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.

SPATIAL LIGHT

All HOLOEYE Spatial Light Modulators are addressed like a monitor via standard HDMI or DisplayPort. Meaning the SLM actually acts like a standard monitor device and no special software or drivers are

HOLOEYE Photonics: PLUTO-2 Spatial Light Modulator Configuration

In this short tutorial we will show the use of a PLUTO-2 Spatial Light Modulator (in a simple setup for holographic reconstruction. A computer generated hologram (CGH) is Generated

SLM Pattern Generator

The HOLOEYE SLM Pattern Generator software was developed for use with all HOLOEYE Spatial Light Modulator models.

Spatial Light Modulators

Spatial Light Modulators HOLOEYE´s Spatial Light Modulator (SLM) systems are based on translucent or reflective liquid crystal microdis-plays. These devices can modulate light spatially in amplitude or

SLM Slideshow Player

SLM Slideshow Player In fact all HOLOEYE Spatial Light Modulator devices can simply be addressed like an external monitor using the standard HDMI or

Holoeye SLM

Routine to send a BW BMP image (64 grey levels) to A spatial Ligh Modulator (SLM Holoeye model LC-R 1080 that counts 1200x1900 pixells).This simple concept routine is tought to

Spatial Light Modulators

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Spatial Light Modulator Software & Accessories

The systems are designed to fit with the current versions of the HOLOEYE PLUTO-2, GAEA-2, and the near future version of LETO Spatial Light Modulator series.

Spatial Light Modulators

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

HOLOEYE Photonics: LUNA Spatial Light Modulator Configuration

In this short tutorial we will demontrate the use of a LUNA Spatial Light Modulator (holoeye /products/spatial-...) in a simple setup for holographic reconstruction.

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.

HOLOEYE Photonics: GAEA-2 Spatial Light Modulator Product

In this short tutorial we will present the parts which are included in the GAEA-2 Spatial Light Modulator kit and demonstrate how to connect the display (We will also show how to connect

OptiXplorer – Optics Education Kit

The main topics covered in the six experimental modules listed below are polarization effects, amplitude modulation, phase modulation and Fourier Optics.

Contact Us

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