



## ERIS Phase Only LCOS SLM

The ERIS phase only Spatial Light Modulator models are based on reflective LCOS microdisplays with 1920 x 1200 pixel resolution and 8  $\mu\text{m}$  pixel pitch.

The analog ERIS Phase Only Spatial Light Modulator device shows extreme phase stability, low latency and low crosstalk. The SLM provides 8-bit phase levels but can also be operated in 10-bit phase mode.

The ERIS driver uses an HDMI interface for addressing phase functions and an USB connection to communicate with the driver (to changing the voltage vs. gray level distribution (gamma control) and dynamic range (voltage across the LC cell) in order to calibrate the SLM for different wavelengths). Besides this the driver features a trigger sync output to synchronize the device with external devices.

Currently we offer 3 versions of the ERIS phase SLM. One version is optimized for the visible range, one flexible broadband version for the range of 420 – 1100 nm and one version is optimized for usage at 1550 nm.

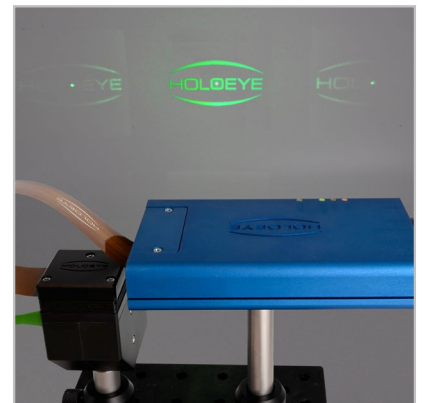
You can find more information on the devices, information on software and reference publications at <https://holoeYE.com/products/spatial-light-modulators/eris-phase-only-spatial-light-modulator/>.

### Key Features:

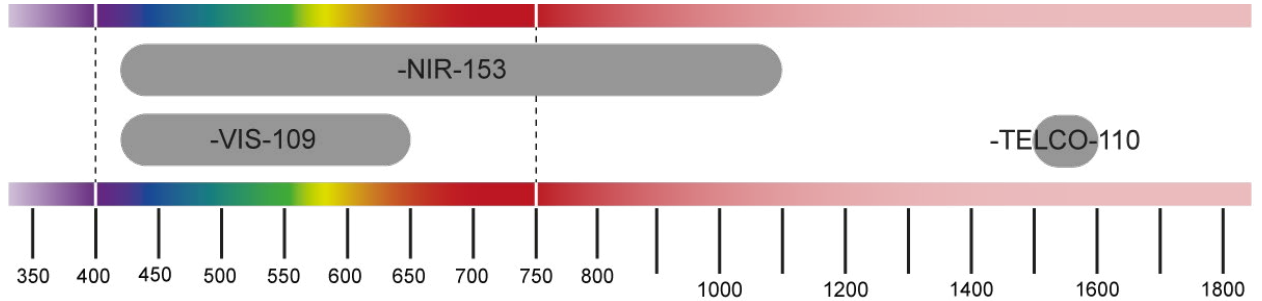
- Easy plug and play
- Superior optical resolution
- Analog SLM
- High phase stability
- 8 bit and 10 bit mode possible
- Broadband version available
- Superior software

### Why Use ERIS Phase Only SLM's from Laser Components USA?

- High quality performance
- Product spectral ranges between 420 nm to 1700 nm
- Customization options available
- Exceptional technical support (through HOLOEYE Germany)



## Specification Table



Device	$\lambda$ Range	Maximum Phase	Average Refl.
ERIS-VIS-109	420 – 650 nm	5 Pi @ 450 nm 2.9 Pi @ 633 nm	73%
ERIS-NIR-153	420 – 1100 nm	8.5 Pi @ 450 nm 2.4 Pi @ 1064 nm	76 – 90%
ERIS-TELCO-110	1500 – 1600 nm	2.1 Pi @ 1550 nm	89%