

GAEA-2.1 Phase Only LCOS SLM

The GAEA-2.1 phase only modulator models are based on reflective LCOS microdisplays with 4160 x 2462 pixel resolution and 3.74 μm pixel pitch

The GAEA-2.1 phase only Spatial Light Modulator is the highest resolution SLM on the market (10 Megapixel) with extremely small pixel pitch. The small pixel size enables high diffraction angles.

We offer 3 different versions of the GAEA-2.1 phase only Spatial Light Modulator. The different versions are optimized for the use at different wavelength ranges. Currently we offer a VIS version (420 – 650 nm), a NIR version (650 – 1100 nm) and a version for the telecommunication waveband around 1550 nm.

You can find more information on the devices, information on software and reference publications at <https://holoeye.com/products/spatial-light-modulators/gaea-2.1-phase-only/>

Key Features:

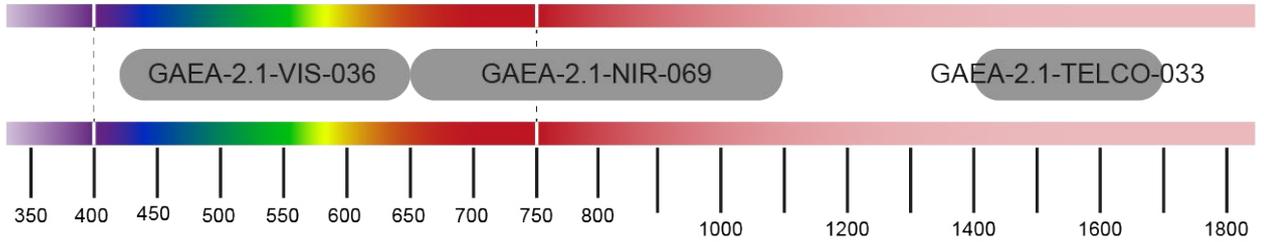
- Easy plug and play
- Highest resolution
- Small pixel / high diffraction angles
- Superior software

Why Use GAEA-2.1 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	λ Range	Maximum Phase	Average Refl.
GAEA-2.1-VIS-036	420 – 650 nm	2.8π @ 650 nm	62%
GAEA-2.1-NIR-069	650 – 1100 nm	2.4π @ 1064 nm	60%
GAEA-2.1-TELCO-033	1400 – 1700 nm	2.6π @ 1550 nm	72%