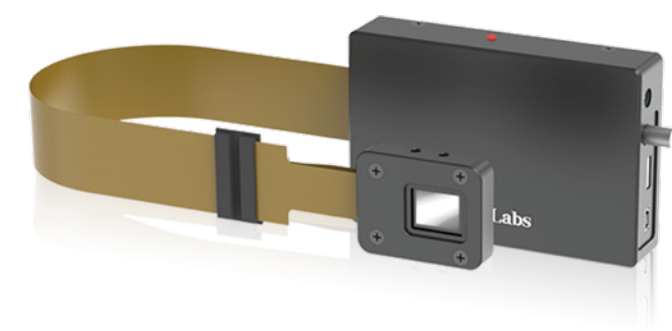


High-Efficiency LCOS Spatial Light Modulator

HDSLM80R DC800



- ◆ Analog Driving Circuits
- ◆ Water-cooling Structure
- ◆ Dielectric Coating for Higher Reflectivity

Distinguishing from conventional aluminum films, Modulator HDSLM80R-DC800 is featured with a specialized film stack designed targeting the 800nm absorption peak.

- 1 An Iterative Version Designed for Quantum Research Application
- 2 The reflectivity has been increased to a max of 92%
- 3 Thermal stability Improved by 10 times comparing with HDSLM80R version

Product Parameter

Type	HDSLM80R DC800
Resolution	1920*1200
Pixel Size	8μm
Reflectance	Typ: 89% Max: 92%
Wavelength	800±30nm
Diffraction Efficiency (16th level)	85%
Linearity	R ² > 99.98%
Phase Stability	~0.003π
Phase Retardance	2.39π@808nm
Damage Threshold	100W/cm ²
Bit Depth	8bit / 10bit
Interface / PC Connection	Mini HDMI / USB 2.0

Application Fields

Optogenetics	Biological Imaging	Diamond Cutting
Special Material Processing	Quantum precision measurement	Optical Field Manipulation
Atomic Manipulation	Particle Trapping	Optical Tweezers

