

NIR Wavelength DMD Spatial Light Modulator

HDSLM108D65NIR Series



800-2000nm
Wavelength



1280*800
Resolution



10.8µm
Micromirror Pitch

This version operates within the wavelength range of 800-2000nm, boasts a resolution of 1280*800 and a pixel size of 10.8µm. It is categorized into three versions: ultra-fast, intelligent ultra-fast, and ultra-large capacity. The ultra-fast features 16GByte of memory and an ultra-fast frame rate exceeding 11KHz. The intelligent ultra-fast incorporates intelligent algorithms, while the ultra-large capacity version comes equipped with onboard SSD storage, starting at 1TB, with multiple capacity options available.

Version and type

Version	Type	Wavelength
Ultra-fast version	HDSLM108D65NIR-DDR	800-2000nm
Smart ultra-fast version	HDSLM108D65NIR-Smart	
Ultra-large-capacity version	HDSLM108D65NIR-SSD	

Specifications

Type	HDSLM108D65NIR-DDR	HDSLM108D65NIR-Smart	HDSLM108DD65NIR-SSD
Resolution	1280*800		
Array Diagonal Size	0.65"		
Micromirro pitch	10.8µm		
Fill Factor	94%(@1064nm)		
Reflectivity	94%(@1064nm)		
Diffraction	88%(@1064nm)		
Frame Rate	11764Hz(1bit) / 522Hz(8bit) / 3Hz(16bit)		
Interface /PC Connection	USB3.0		Gigabit Ethernet
Onboard RAM	16GByte		/
Onboard Storage	/		1T / 2T / 4T
DMD Datum Angle	Horizontal design		Horizontal design / Oblique 45° design
Mounting Angle	Support horizontal installation or 45° installation		/
Intelligent Algorithm	/	Dynamic ground glass, random speckle rotating grating, periodic grating, etc	/

