

VIS Wavelength DMD Spatial Light Modulator

HDSLM108D95 Series



400-700nm
Wavelength



1920*1080
Resolution



10.8μm
Micromirro pitch

The HDSLM108D95 series spatial light modulator utilizes DLP9500 and DLPC410 chips, with an applicable wavelength range of 400~700nm, a resolution of 1920*1080, a maximum frame rate of 20746Hz, a micro-mirror size of 0.95 inches, a configurable grayscale level of 1-16bit, a memory capacity of 16Gbyte, on-board capacities of 3T/6T/12T, and a video interface of USB3.0. It is suitable for industrial, medical, and advanced display applications and is divided into ultra-fast version, smart ultra-fast version, and ultra-large-capacity version.

Version and type

Version	Type	Wavelength
Ultra-fast version	HDSLM108D95-DDR	400-700nm
Smart ultra-fast version	HDSLM108D95-Smart	
Ultra-large-capacity version	HDSLM108D95-SSD	

Specifications

Type	HDSLM108D95-DDR	HDSLM108D95-Smart	HDSLM108D95-SSD
Resolution	1920*1080		
Array Diagonal Size	0.95"		
Micromirro pitch	10.8μm		
Fill Factor	94%		
Reflectivity	89%		
Diffraction	87%		
Frame Rate	20746Hz(1bit) / 617Hz(8bit) / 3Hz(16bit)		
Interface /PC Connection	USB3.0		Gigabit Ethernet
Onboard RAM	16GByte		/
Onboard Storage	/		3T / 6T / 12T
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	/

