

VIS Wavelength DMD Spatial Light Modulator

HDSLM756D65A Series



400-700nm

Wavelength



1920*1080

Resolution



7.56μm

Micromirror Pitch

This version operates within a wavelength range of 400-700nm, boasts a resolution of 1920*1080, and features 7.56μm pixels. It is categorized into ultra-fast version, smart ultra-fast version, and ultra-large-capacity version . The ultra-fast version utilizes 16GByte/128Gbit memory, achieving an ultra-high frame rate exceeding 10KHz. The ultra-large-capacity version is equipped with onboard SSD storage, starting from 2TB, with multiple capacity options available.

Version and type

Version	Type	Wavelength
Ultra-fast version	HDSLM756D65A-DDR	400-700nm
Smart ultra-fast version	HDSLM756D65A-Smart	
Ultra-large-capacity version	HDSLM756D65A-SSD	

Specifications

Type	HDSLM756D65A-DDR	HDSLM756D65A-Smart	HDSLM756D65A-SSD
Resolution	1920*1080		
Array Diagonal Size	0.65"		
Micromirro pitch	7.56μm		
Fill Factor	92%		
Reflectivity	88%		
Diffraction	86%		
Frame Rate	10940Hz(1bit) / 508Hz(8bit) / 3Hz(16bit)		
Interface /PC Connection	USB3.0+HDMI (Smart optional)		Gigabit Ethernet port 10-Gigabit Ethernet port
Onboard RAM	16GByte		/
Onboard Storage	/		2T / 4T / 8T
Datum Angle	Horizontal design		Horizontal design / 45° oblique design
Mounting Angle	horizontal installation or 45° installation		horizontal installation
Intelligent Algorithm	/	Dynamic ground glass, random speckle rotating grating, periodic grating, etc	/

