

(2560*1600) UV DMD Spatial Light Modulator

HDSLM756D90UV Series



355-420nm

Wavelength



2560*1600

Resolution



7.56μm

Micromirro Pitch

Ultra-fast Version | Ultra-large-capacity Version

Wavelength: 355-420nm
Resolution: 2560*1600
Pixel size: 7.56μm
Provide two versions: Ultra-fast version and Ultra-large-capacity version
Ultra-fast version: 16GByte/128Gbit memory, frame rate>11KHz
Ultra-large-capacity version: 16GByte (-DDR type) , 2.5T/5T/10T (-SSD type)

Version	Type	Wavelength	Resolution
Ultra-fast version	HDSLM756D90UV-DDR	355-420nm	2560*1600
Ultra-large-capacity version	HDSLM756D90UV-SSD		

Product Parameter

Type	HDSLM756D90UV-SSD	
Resolution	2560*1600	
Array Diagonal Size	0.9”	
Micromirro Pitch	7.56μm	
Fill Factor	92%	
Reflectivity	88%	
Diffraction	85%	
Frame Rate	11764Hz / 522Hz / 3Hz	
Damage Threshold	2.5W/cm² (355nm~365nm) / 5W/cm² (365nm~400nm) / 15W/cm² (400nm~420nm)	
Interface /PC Connection	USB3.0 / HDMI	
Onboard RAM	16GByte	2.5T / 5T / 10T
Number of Images	33554 (1bit) / 4194 (8bit)	
DMD Datum Angle	0° / 45°	
Installation Angle	0° / 45°	
Sync Trigger Interface	SMA (Input) + SMA*2 (Output)	
Sync Trigger High Level Signal	3.3V (Input) + 5V (Output)	

