

VIS Wavelength DMD Spatial Light Modulator

HDSLM136D70 Series

 **400-700nm**
Wavelength

 **1024*768**
Resolution

 **13.68μm**
Micromirror Pitch

This version operates within a wavelength range of 400-700nm, boasts a resolution of 1024*768, and features 13.68μm pixels. It is categorized into three versions: ultra-fast speed, smart ultra-high speed, and ultra-large-capacity. The ultra-fast speed version utilizes 16GByte of memory and achieves a frame rate exceeding 26KHz. The smart ultra-high speed version incorporates intelligent algorithms. 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	HDSLM136D70-DDR	400-700nm
Smart ultra-fast version	HDSLM136D70-Smart	
Ultra-large-capacity version	HDSLM136D70-SSD	

Specifications

Type	HDSLM136D70-DDR	HDSLM136D70-Smart	HDSLM136D70-SSD
Resolution	1024*768		
Array Diagonal Size	0.7"		
Micromirro pitch	13.68μm		
Fill Factor	92%		
Reflectivity	88%		
Diffraction	86%		
Frame Rate	27917Hz(1bit) / 657Hz(8bit) / 3Hz(16bit)		
Interface /PC Connection	USB3.0		Gigabit Ethernet
Onboard RAM	16GByte		/
Onboard Storage	/		SSD2T/4T/8T
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	/

