

Spatial Light Modulator

As a product carrier for digital optical technology applications, spatial light modulators can change the amplitude, polarization state or phase of light distribution in space under the control of time-varying electrical drive signals and other signals, or convert incoherent light into coherent light. It can easily write specific information into light waves to achieve the purpose of light wave modulation. Through the image signal, the voltage of each pixel is dynamically controlled in real time, so as to realize the modulation of light waves. The

Model	SLM-REP-39-VI	Modulation type	Phase type
The LCD type	Reflection type	Drive mode	Digital
sizes	1920×1080	Grey scale	8 bits order 256
As the element size	4.5-μm	Effective area	0.39" 8.64mm×4.86mm
Opening rate/Fill factor	91.3%	Phase range	2-π@635nm
Spectral range	420nm-820nm	Reflectivity	65±5%
Refresh rate	60Hz Color Mixing: 60Hz/180Hz/360Hz	Enter the power supply	5V 2A
Damage threshold	20W/cm ² ((No water cooling) 100W/	Data interface	Mini DP

Model	SLM-TRA-07	Modulation type	Amplitude type
The LCD type	Transmission type	Grey scale	8 bits order 256
Sizes	1024×768	As the element size	14-μm
Effective area	0.7" 14.3mm×10.8mm	Contrast	40:1@1064nm
Linearity	98%	Opening rate	42%
Refresh rate	60Hz	Transmittance / Reflectance	9%@1064nm
Enter the power supply	12V 2A	Spectral range	420nm-1200nm
Damage threshold	2W/cm ²	Data interface	HDMI

serial number	Model	Modulation type	The LCD type	sizes	As the element size	Spectral range
1	SLM-REA-39-VI	Amplitude type	Reflection type	1920×1080	4.5μm	420-650nm
2	SLM-REA-62-VI-4K	Amplitude type	Reflection type	3840×2160	3.6μm	420-650nm
3	SLM-REA-69-VI-4K	Amplitude type	Reflection type	4096×2160	3.8μm	450-650nm
4	SLM-REA-73-1064	Amplitude type	Reflection type	2048×2048	6.4μm	1000-1100nm
5	SLM-REA-73-1550	Amplitude type	Reflection type	2048×2048	6.4μm	1500-1700nm
6	SLM-REA-78-VI-4K	Amplitude type	Reflection type	3840×2160	4.25μm	450-650nm
7	SLM-REA-120-1064-4K	Amplitude type	Reflection type	4094×2400	6.4μm	1000-1100nm
8	SLM-TRA-13	Amplitude type	Transmission type	1024× 768	26μm	420-1200nm
9	SLM-TRA-07	Amplitude type	Transmission type	1024×768	14μm	420-1200nm
10	SLM-TRA-14	Amplitude type	Transmission type	2048×1536	14μm	420-1200nm
11	SLM-TRA-18	Amplitude and phase	Transmission type	1024×768	36μm	420-1200nm
12	SLM-REAP-69-1064	Amplitude and phase	Reflection type	1920×1080	8.0μm	420-1100nm
13	SLM-REP-39	Phase type	Reflection type	1920×1080	4.5μm	532nm
14	SLM-REP-39-VI	Phase type	Reflection type	1920×1080	4.5μm	420-820nm
15	SLM-REP-55	Phase type	Reflection type	1920×1080	6.4μm	532nm
16	SLM-REP-69-VI	Phase type	Reflection type	1920×1080	8.0μm	420-700nm
17	SLM-REP-69-VIHR	Phase type	Reflection type	1920×1080	8.0μm	420-650nm
18	SLM-REP-69-1064	Phase type	Reflection type	1920×1080	8.0μm	450-1100nm
19	SLM-REP-73-VI	Phase type	Reflection type	2048×2048	6.4μm	420-700nm
20	SLM-REP-73-VIHR	Phase type	Reflection type	2048×2048	6.4μm	420-650nm
21	SLM-REP-73-1064	Phase type	Reflection type	2048×2048	6.4μm	1000-1100nm/1500-1700nm

22	SLM-REP-73-1550	Phase type	Reflection type	2048×2048	6.4um	420-1700nm
23	SLM-REP-73-1064HP	Phase type	Reflection type	2048×2048	6.4um	1000-1100nm
24	SLM-REP-73-1064HR	Phase type	Reflection type	2048×2048	6.4um	700-1100nm
25	SLM-REP-62-VI-4K	Phase type	Reflection type	3840×2160	3.6um	420-650nm
26	SLM-REP-69-1064-4K	Phase type	Reflection type	4096×2160	3.8um	450-1064nm
27	SLM-REP-69-1550-4K	Phase type	Reflection type	4096×2160	3.8um	1550nm