

HDSLM[®]LC Spatial Light Modulator Catalog



Category	Type	Resolution	Wavelength	Panel Active Area	Pixel Size	Fill Factor	Phase Retardance	Reflectance	Diffraction Efficiency	Amplitude Contrast	Bit Depth	Frame Rate	Phase Stability	Sync Output Trigger High Level Signal	Sync Output Trigger Pulse Width	Interface /PC Connection
Highly-Stable LCOS SLM	HDSLM80R Plus	1920*1200	420-1100nm	15.36mm*9.6mm	8μm	>95%	2.6π@1064nm	72%	73%@8step	/	8bit/10bit	60Hz	~0.003π	5V±5%	53us(Red SMA) 8ms(Black SMA)	Mini HDMI USB 2.0
	HDSLM80R Plus-NIR	1920*1200	1064±100nm	15.36mm*9.6mm	8μm	>95%	2.5π@1064nm	75%	73%@8step	/	8bit/10bit	60Hz	~0.003π	5V±5%	53us(Red SMA) 8ms(Black SMA)	Mini HDMI USB 2.0
	HDSLM80R Plus-TELCO	1920*1200	1550±100nm	15.36mm*9.6mm	8μm	>95%	2.6π@1550nm	~93%	78%@8step	/	8bit/10bit	60Hz	~0.003π	5V±5%	53us(Red SMA) 8ms(Black SMA)	Mini HDMI USB 2.0
	HDSLM80R Plus-G	1920*1200	420-600nm	15.36mm*9.6mm	8μm	>95%	2.8π@532nm	75%	73%@8step	/	8bit/10bit	60Hz	~0.003π	5V±5%	53us(Red SMA) 8ms(Black SMA)	Mini HDMI USB 2.0
	HDSLM80RA Plus	1920*1200	420-700nm	15.36mm*9.6mm	8μm	>95%	/	/	/	~1000:1	8bit/10bit	60Hz	/	5V±5%	53us(Red SMA) 8ms(Black SMA)	Mini HDMI USB 2.0
TEC Temperature Control LCOS SLM	HDSLM80R Pro	1920*1200	420-1100nm	15.36mm*9.6mm	8μm	>95%	2.6π@1064nm	72%	73%@8step	/	8bit/10bit	60Hz	~0.003π	5V±5%	53us(Red SMA) 8ms(Black SMA)	Mini HDMI USB 2.0
	HDSLM80R Pro-NIR	1920*1200	1064±100nm	15.36mm*9.6mm	8μm	>95%	2.5π@1064nm	75%	73%@8step	/	8bit/10bit	60Hz	~0.003π	5V±5%	53us(Red SMA) 8ms(Black SMA)	Mini HDMI USB 2.0
	HDSLM80R Pro-TELCO	1920*1200	1550±100nm	15.36mm*9.6mm	8μm	>95%	2.6π@1550nm	~93%	78%@8step	/	8bit/10bit	60Hz	~0.003π	5V±5%	53us(Red SMA) 8ms(Black SMA)	Mini HDMI USB 2.0
	HDSLM80R Pro-G	1920*1200	420-600nm	15.36mm*9.6mm	8μm	>95%	2.8π@532nm	75%	73%@8step	/	8bit/10bit	60Hz	~0.003π	5V±5%	53us(Red SMA) 8ms(Black SMA)	Mini HDMI USB 2.0
	HDSLM80RA Pro	1920*1200	420-700nm	15.36mm*9.6mm	8μm	>95%	/	/	/	~1000:1	8bit/10bit	60Hz	/	5V±5%	53us(Red SMA) 8ms(Black SMA)	Mini HDMI USB 2.0
High-Efficiency LCOS SLM	HDSLM80R DC800	1920*1200	800±30nm	15.36mm*9.6mm	8μm	>95%	2.39π@808nm	Typ: 89% Max: 92%	85%@16step	/	8bit/10bit	60Hz	~0.003π	5V±5%	53us(Red SMA) 8ms(Black SMA)	Mini HDMI USB 2.0
	HDSLM80R DC1064	1920*1200	1064±30nm	15.36mm*9.6mm	8μm	>95%	2.48π@1064nm	Typ: 89% Max: 92%	85%@16step	/	8bit/10bit	60Hz	~0.003π	5V±5%	53us(Red SMA) 8ms(Black SMA)	Mini HDMI USB 2.0
4K LCOS SLM	HDSLM36R	4096*2240 (3840*2160)	420-670nm	13.82mm*7.78mm	3.6μm	>90%	>2.3π@638nm	60%	83%@8step	/	8bit	60Hz/180Hz	~0.01π	3.3V	2.70ms	HDMI Type-C
	HDSLM36R-TELCO	4096*2240 (3840*2160)	1550nm	13.82mm*7.78mm	3.6μm	>90%	>2.3π@1550nm	60%	50%@8step	/	8bit	60Hz/180Hz	~0.01π	3.3V	2.70ms	HDMI Type-C
	HDSLM36R-KIT	4096*2240 (3840*2160)	420-670nm	13.82mm*7.78mm	3.6μm	>90%	>2.3π@638nm	60%	83%@8step	/	8bit	60Hz/180Hz	~0.01π	3.3V	2.70ms	HDMI Type-C
	HDSLM36RA	4096*2240 (3840*2160)	420-670nm	13.82mm*7.78mm	3.6μm	>90%	/	/	/	100:1	8bit	60Hz/180Hz	/	3.3V	2.70ms	HDMI Type-C
Standard LCOS SLM	HDSLM45R	1920*1080	420-650nm	8.64mm*4.86mm	4.5μm	>91%	>2.3π@638nm	64%	78%@8step	/	8bit	60Hz/180Hz	~0.01π	2.5V or 3.3V	2.70ms	HDMI Type-C
	HDSLM64R	1920*1080	400-700nm	12.29mm*6.91mm	6.37μm	>93%	>3π@532nm	75%	78%@8step	/	8bit	60Hz	~0.005π	/	/	Mini HDMI USB 2.0
	HDSLM64RA	1920*1080	400-700nm	12.29mm*6.91mm	6.37μm	>93%	/	/	/	200: 1	8bit	60Hz	/	/	/	Mini HDMI USB 2.0