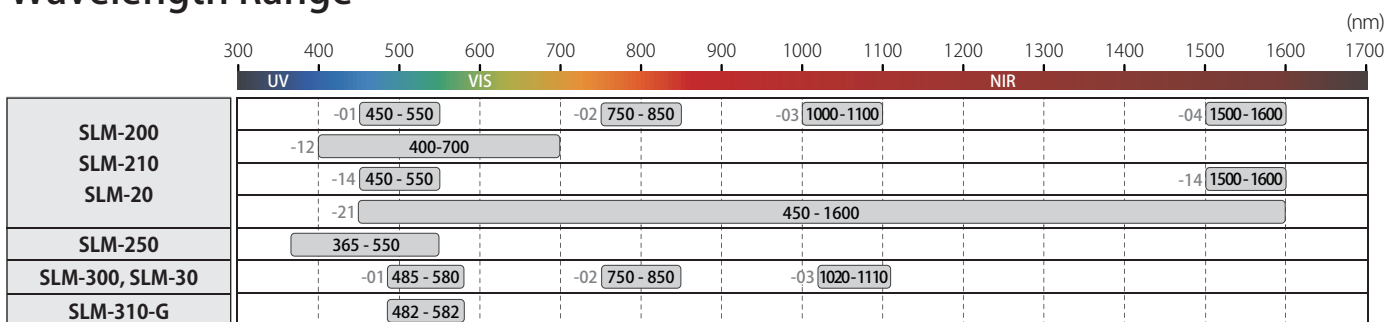


Comparison Tables for Spatial Light Modulator

Item	SLM-200 SLM-20	SLM-210			SLM-250	SLM-300 SLM-30	Preliminary SLM-310-G	Units
		Type A	Type B	Type C				
Wavelength range	450-1600	450-700	450-1100	450-1600	365-550	532, 800, 1064	532 ± 50	nm
Response time ¹⁾	Typ. 200	Tr:6 / Tf:18	Tr:17 / Tf:53	Tr:48 / Tf:200	Typ. 50	Typ. 200	Typ. 200	ms
Panel reflectivity	Typ. >90	Typ. >90			Typ. >70	Typ. >92	Typ. >92	%
Phase stability	Typ. < 0.001π	Typ. < 0.002π			Typ. < 0.003π	Typ. < 0.003π	Typ. < 0.003π	rad.
Optical power handling ²⁾	Typ. 10	Typ. 10			Max. 10 mW/cm ²	Max. 200	Max. 500	W/cm ²
Water flow	-	-			-	1-2	8	L/min.
Water inlet and outlet	-	-			-	Pipe fittings	Pipe fittings	-
Dimensions LCOS unit	45 x 45 x 25.7	45 x 45 x 25.7			45 x 45 x 25.7	60 x 60 x 31.7	60x85.2x21.8	mm
Dimensions SLM body	117.6 x 117.6 x 33.7							mm
Panel size	(H)15.36 x (V)9.60							mm
Panel resolution ³⁾	(H)1920 x (V)1200							pixel
Pixel size / pitch	7.8 / 8.0							μm
Aperture ratio	95							%
Gray level	10 (1024 levels)							bit
Frame rate	60 or 120							Hz
LCOS drive frequency	1200							Hz
Phase depth	Min. 2π							rad.
Interface ⁴⁾	DVI / USB 3.0							-
Operating temperature	15-35							°C
Storage temperature	0-40							°C
Control software	GUI software and SDK for Windows: C#, Python, Matlab, Labview							-

Wavelength Range



< AR coating option for SLM-200, 210, 20 >

Item	-00	-01	-02	-03	-04	-12	-14	-21	Units
AR coating range ⁵⁾	no coating	450-550	750-850	1000-1100	1500-1600	400-700	450-550 / 1500-1600	450-1600	nm
AR coating reflectance ⁶⁾	4	< 0.5				< 1.5	< 0.6	< 2.5	%

1) Response time is a typical value and is not affected by frame rate.
Tr: Rise time between 10% and 90% levels in a phase change of 0 to 2π rad. at 25°C. Tf: Fall time between 90% and 10% levels in a phase change of 0 to 2π rad. at 25°C.

2) The value is not guaranteed.

SLM-200, 210, 20: 1550 nm CW, 2.0 mm beam diameter
SLM-250: Max. 10 mW/cm²: @365 nm, 24H/day continuous operation.
SLM-250: Typ. 40 MW/cm²: Peak power @355 nm, Pulse laser.
SLM-300, 30: CW @1064 nm
SLM-310-G: CW @ 532nm

3) Specification on the defect pixels are no object.

4) DVI: 10-bit using RGB 8-bit, 3 colors

5) We support custom AR coating request. Please contact us for detail.

6) Angle of incidence = 0 degree