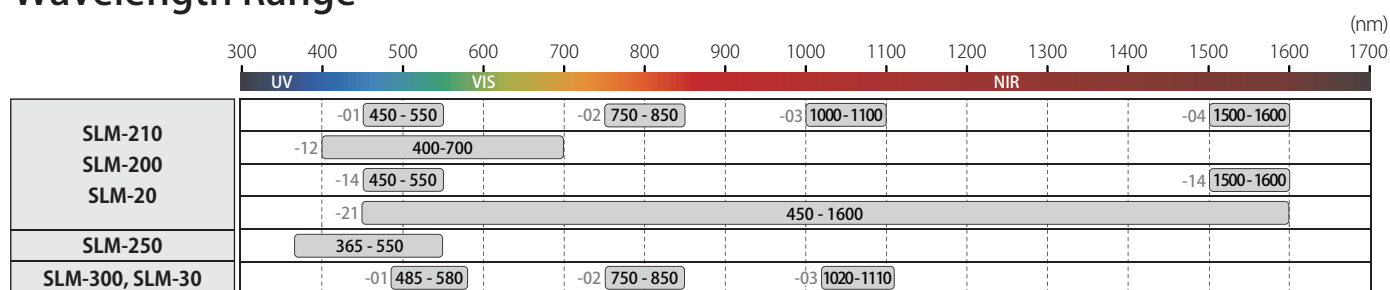


Comparison Tables for Spatial Light Modulator

Item	SLM-210			SLM-200 SLM-20	SLM-250	SLM-300 SLM-30	Units
	Type A	Type B	Type C				
Wavelength range	450-700	450-1100	450-1600	450-1600	365-550	532, 800, 1064	nm
Response time ¹⁾	Tr:6 / Tf:18	Tr:17 / Tf:53	Tr:48 / Tf:200	Typ. 200	Typ. 50	Typ. 200	ms
Panel reflectivity	Typ. >90			Typ. >90	Typ. >70	Typ. >92	%
Phase stability	Typ. < 0.002 π			Typ. < 0.001 π	Typ. < 0.003 π	Typ. < 0.003 π	rad.
Optical power handling ²⁾	Typ. 10			Typ. 10	Max. 10 mW/cm ²	Max. 200	W/cm ²
Water flow	-			-	-	1-2	L/min.
Water inlet and outlet	-			-	-	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	mm
Dimensions SLM body	117.6 x 117.6 x 33.7			117.6 x 117.6 x 33.7	122 x 122 x 38.3	122 x 122 x 38.3	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			μ m
Aperture ratio				95			%
Gray level				10 (1024 levels)			bit
Frame rate				60 or 120			Hz
LCOS drive frequency				1200			Hz
Phase depth				Min. 2 π			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-210, 200, 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 2 π rad. at 25°C. Tf: Fall time between 90% and 10% levels in a phase change of 0 to 2 π rad. at 25°C.

- 2) The value is not guaranteed.
SLM-210, 200, 20: 1550 nm CW, 2.0 mm beam diameter
SLM-300, 30: CW @1064 nm
SLM-250: Max. 10 mW/cm²: @365 nm, 24H/day continuous operation.
SLM-250: Typ. 40 MW/cm²: Peak power @355 nm, Pulse laser.

- 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