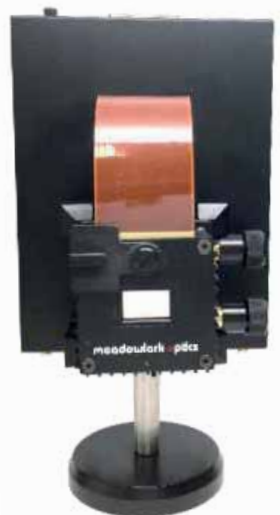


High Resolution

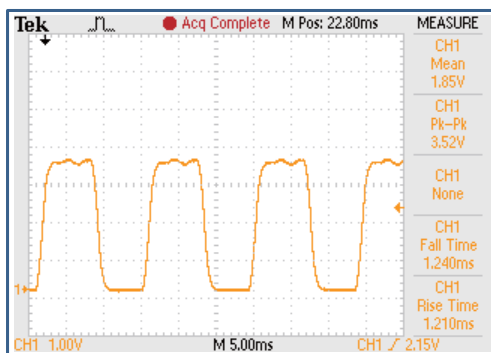


1920 x 1152 SLM

COMPACT DESIGN
SLM with attached
PCIe Control Electronics

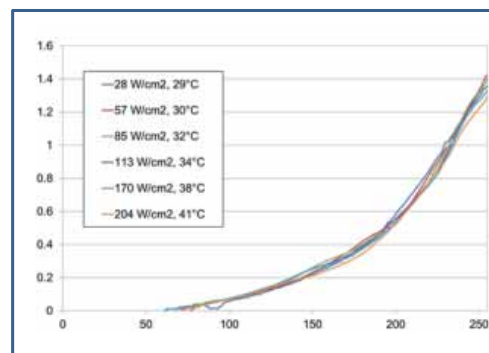


High Speed



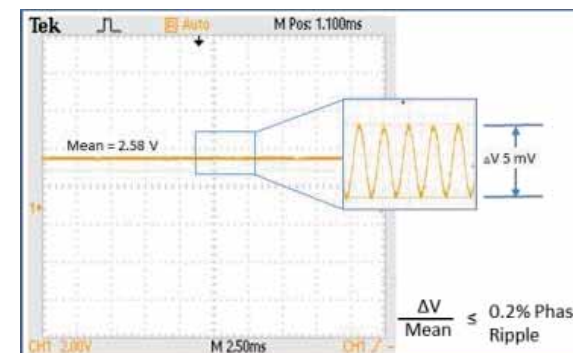
Up to 714 Hz

High Power



Up to 15 GW/cm²

Low Phase Ripple



As low as 0.2%

Resolution: 1920 x 1152
Array Size: 17.6 x 10.7 mm
Pixel Pitch: 9.2 x 9.2 μm

Fill Factor: 95.7%
Diffraction Efficiency*: 88%
Controller: HDMI 8/12-bit, PCIe 8/12-bit

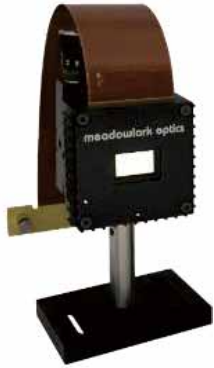
Wavelength	Wavefront Distortion	Standard Liquid Crystal Response Time	High Speed Liquid Crystal Response Time	AR Coatings (Ravg <1%)
405 nm	λ/3	6.0 ms	N/A	400 – 800 nm
532 nm	λ/5	9.0 ms	1.4 ms	400 – 800 nm
635 nm	λ/6	12 ms	1.8 ms	400 – 800 nm
785 nm	λ/7	19 ms	2.5 ms	600 – 1300 nm
1064 nm	λ/10	25 ms	3.3 ms	600 – 1300 nm
1550 nm	λ/12	33 ms	5.0 ms	850 – 1650 nm

5964 Iris Parkway, Frederick, CO 80530

303.833.4333 – sales@meadowlark.com

www.meadowlark.com

SLM capable of $>200 \text{ W/cm}^2$
with peak powers up to 15 GW/cm^2



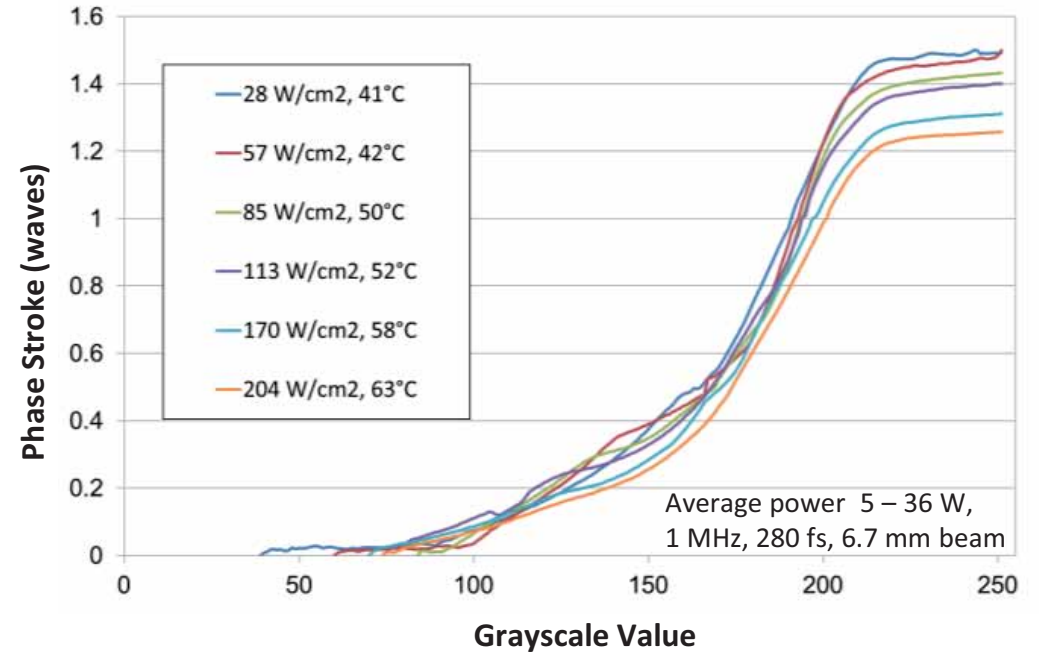
Optional water cooling system maintains consistent temperature and phase stroke when using high power lasers.

Tested with Coherent Monaco Laser

- High Power Femtosecond Industrial Laser
- 40W, 1 - 50 MHz Rep Rate, $<400 \text{ fs}$ to $>10 \text{ ps}$
- Exceptional Beam Quality
- Single-box Solution



Standard 1920 x 1152 SLM



Cooled 1920 x 1152 SLM

