

## Adaptive Pulse Compression, Characterization, and Shaping

	femtoJock-P	femtoJock	femtoJock-D <span style="font-size: 0.8em; color: orange; font-weight: bold;">NEW</span>	MIIPS-HD	MIIPSBox640-P	MIIPSBox640
<b>SLM type</b>	single 1D array, liquid crystal	double 1D array, liquid crystal	2D array, LCOS	2D array, LCOS	single 1D array, liquid crystal	double 1D array, liquid crystal
<b>Type of shaping</b>	Phase-only	Phase and Amp/Polarization <sup>(1)</sup>	Phase and Amp (diffractive)	Phase and Amp (diffractive)	Phase-only	Phase and Amp/Polarization <sup>(1)</sup>
<b>Pixel pitch</b>	100 $\mu\text{m}$	100 $\mu\text{m}$	20 $\mu\text{m}$	20 $\mu\text{m}$	100 $\mu\text{m}$	100 $\mu\text{m}$
<b>Number of pixels</b>	128	128 x 2	792 x 600	792 x 600	640	640 x 2
<b>Number of control channels<sup>(2)</sup></b>	128	128	~200	~400	640	640
<b>Min. pulse duration</b>	< 10 fs	< 10 fs	< 8 fs	< 25 fs	< 5 fs	< 5 fs
<b>Max. time delay<sup>(3)</sup></b>	25 x $\tau_{\text{TL}}$	25 x $\tau_{\text{TL}}$	50 x $\tau_{\text{TL}}$	100 x $\tau_{\text{TL}}$	125 x $\tau_{\text{FL}}$	125 x $\tau_{\text{TL}}$
<b>Operating wavelength range<sup>(4)</sup></b>	430-1700 nm	430-1700 nm	400-1550 nm <sup>(5)</sup>	400-1550 nm <sup>(5)</sup>	430-1700 nm	430-1700 nm
<b>Max. input bandwidth (typ.)</b>	250 nm <sup>(6)</sup>	250 nm <sup>(6)</sup>	400 nm <sup>(6)</sup>	200 nm <sup>(6)</sup>	one octave	one octave
<b>Max. input average power (typ.)<sup>(6)</sup></b>	600 mW	600 mW	0.5 W / 1 W <sup>(7)</sup>	1 W / 2 W <sup>(7)</sup>	2 W	2 W
<b>Max. input pulse energy (typ.)<sup>(6)</sup></b>	50 $\mu\text{J}$	50 $\mu\text{J}$	0.5 mJ / 1 mJ <sup>(7)</sup>	1 mJ / 2 mJ <sup>(7)</sup>	250 $\mu\text{J}$	250 $\mu\text{J}$
<b>L x W x H (inch)</b>	15.75x9x6	15.75x9x6	18.75x9x6	17.75x8.4x8.25	18.75x12x10.25	18.75x12x10.25
<b>L x W x H (mm)</b>	400x229x152	400x229x152	476x229x152	451x213x210	476x305x260	476x305x260

<sup>(1)</sup> Polarization control is limited. Please discuss your application requirements with our application scientist;

<sup>(2)</sup> Assuming a collimated input beam with the recommended diameter;

<sup>(3)</sup> Based on the highest spectral resolution;

<sup>(4)</sup> Several SLM types are available across the specified spectral range; please refer to the product data sheet;

<sup>(5)</sup> The operating wavelength range can be extended down to 355nm; please consult us for details;

<sup>(6)</sup> Depends on the center wavelength of the laser source;

<sup>(7)</sup> Depends on the back-mirror type and the center wavelength; customized to fit the laser source.