

SDE1024 Spatial Light Modulator Kit

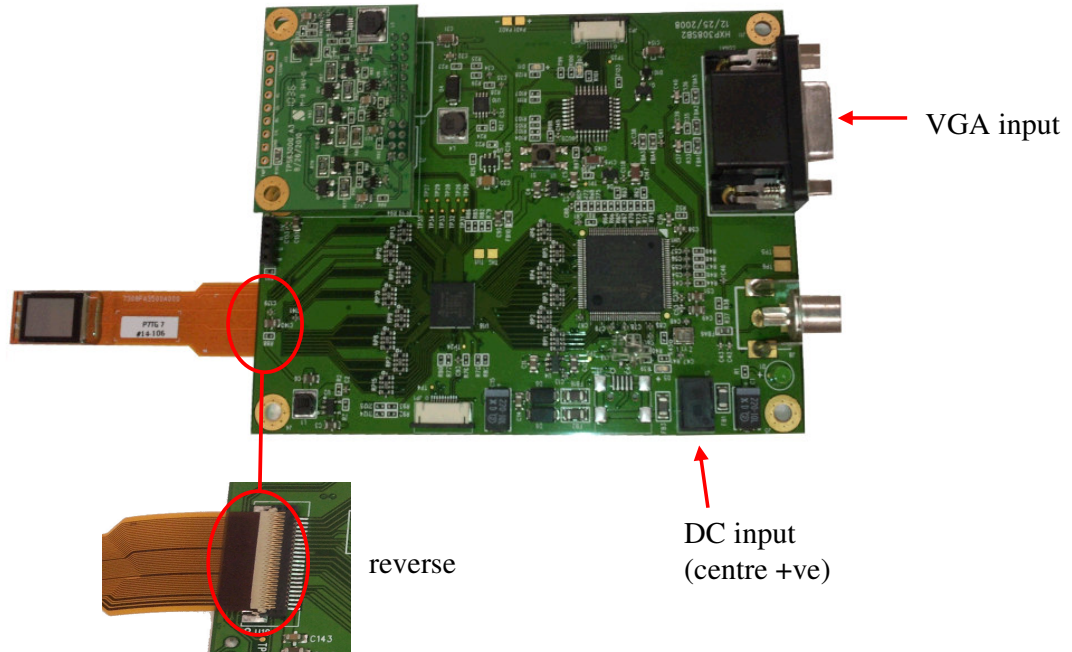


The SDE1024 allows the user to explore display and optical processing applications with the high resolution liquid crystal panel. The kit is easy to use, offering instant plug and play functionality through driving the device as a second monitor from a VGA graphics interface. The kit is presented in a solid enclosure which allows the unit to be mounted to an optical bench and also interfaced with the Thorlabs 30mm cage system. Example applications include phase **holography** and **optical correlation**.

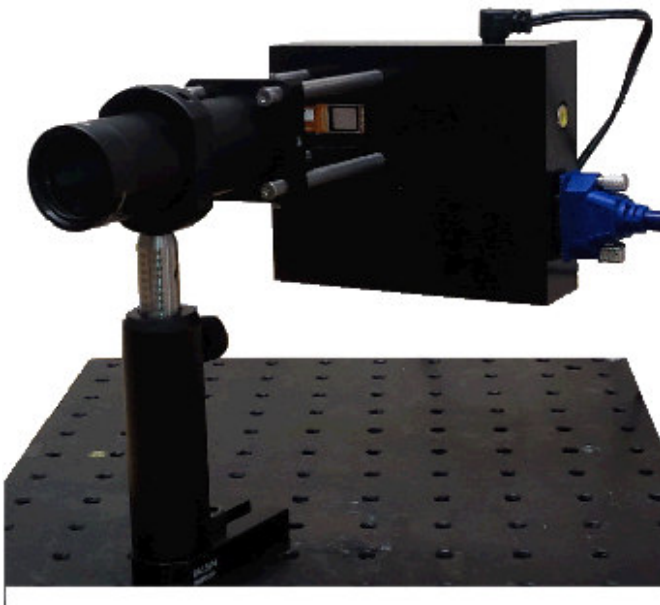
Main Features

Resolution	1024x768
Bit-depth	8-bit
Pixel pitch	9x9um
Reflectance	62% at 633nm
Operating temperature	0-50 degrees Celsius
Active area diagonal	0.45"
Active area dimensions	9.3x7mm
LC	Twisted Nematic Mode
Operating Wavelength	430-650nm
Input Polarisation	Parallel with longest side
Contrast Ratio	350:1
LC response time	200us
Interface	VGA
Input voltage	5V DC
Retardation	~0.8pi at 633nm

Connection Details



Enclosure



- Compatible with Thorlabs 30mm cage system (not supplied)
- M6 threaded mount on base allows unit to be mounted to optical table/breadboard (not supplied)