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HOLOEYE Photonics AG Presents Two New Spatial Light Modulator Products

Berlin, Germany – August, 2005 – HOLOEYE Photonics AG developed two new active Spatial Light Modulators – **LC-R 768** and **LC-R 720**.

The **LC-R 768** and **LC-R 720 Spatial Light Modulators** from HOLOEYE can be used to modulate coherent or incoherent light spatially in amplitude and phase. Applications range from imaging and projection, over programmable phase masks e.g. beam splitting and beam steering to holographic applications. The heart of the devices are liquid crystal microdisplays which can be addressed by a standard graphics card with DVI output.

LC-R 768:

- LCoS Microdisplay (Reflective) with WXGA Resolution (1280 x 768 Pixels)
- Pixel Pitch: 12µm
- Fil Factor: 92 %
- 8 Bit Addressing
- 60 Hz Image Frame Rate
- Intensity Ratio of 4000:1 @ 633 nm Coherent Light Source

Due to the small and light weight display with the high contrast of 4000:1 the highest potential of the LC-R 768 is the use at imaging and projection applications.

LC-R 720:

- LCoS Microdisplay (Reflective) with WXGA Resolution (1280 x 768 Pixels)
- Pixel Pitch: 20µm
- Fil Factor: 92 %
- 8 Bit Addressing
- Up to 180 Hz Image Frame Rate
- Response Time: < 3 ms
- Intensity Ratio of 5000:1 @ 633 nm Coherent Light Source

The very fast response time of < 3ms and the high image frame rate of 180 Hz makes this device a good choice for high speed applications.

Both modulators are delivered as complete developer kits and plug-and-play devices. The display settings can be controlled by an user-friendly graphical user interface (GUI), which runs on all Windows platforms. In higher quantities the liquid crystal microdisplays and the driverboards are also available as OEM solution.

For more information please visit www.holoeye.com.

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