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HOLOEYE introduces new Phase Only Spatial Light Modulator.

Berlin – May, 2006 – HOLOEYE Photonics AG will introduce the new Phase Panel Developer Kit with HDTV resolution at the Optetec (20. - 23. June 2006) in Frankfurt, Germany.

HOLOEYE's new "**HEO 1080 P**" phase only modulator is based on a reflective LCoS (Liquid-Crystal-on-Silicon) microdisplay with full WUXGA/HDTV resolution (1920 x 1080 Pixel). Due to the ECB (Electrically Controlled Birefringence) display mode the phase panels provide a pure phase shift of 2π up to 1064 nm. Currently there are two panel versions available optimized for 420nm – 810 nm and for 800 nm – 1100 nm.

All optical phase functions (gratings, phase masks, holograms, etc.) are addressed by a DVI graphics card, which can be implemented in a standard PC using the SLM device simply as an "external monitor". A GUI (graphical user interface) enables the user to adapt the modulation performance to an actual task and laser wave length.

With a pixel pitch of only 8.0 μm , HDTV resolution, a high light efficiency (due to the reflective structure of the micro display) and an image refresh frame rate of 60 HZ via DVI, the **HEO 1080 P** phase only modulator is the right solution for a wide range of applications.

Applications range from wave front correction, optical tweezers, optical metrology, interferometry, lithography, holography to all other phase shifting applications.

About HOLOEYE:

HOLOEYE Photonics AG is providing services and products in the fields of diffractive optics (Diffractive Optical Elements -DOE), Spatial Light Modulators (based on reflective or translucent microdisplays) and a great variety of OEM microdisplay components in higher quantities.

Please visit HOLOEYE Photonics AG at the Optatec 2006 (20.-23. June 2006) in Frankfurt, Germany, Hall 3 -Booth-No: C71.

For more information please visit www.holoeye.com.

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