

Extended Spectral Range for advanced DLP applications

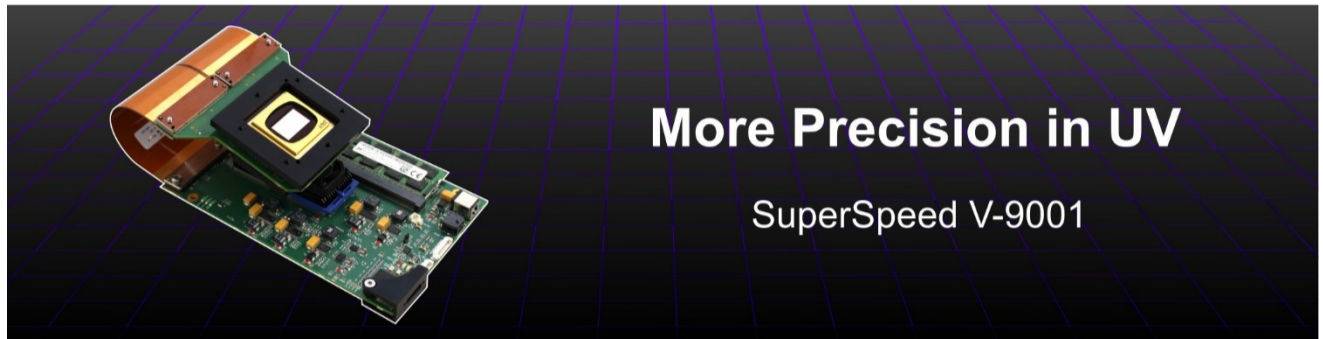


We are glad to inform you about three recently released ViALUX products enabling new emerging applications of DLP Technology.

More Precision in UV

The new V-9001 UV module supports the DLP9000XUV DMD, a 4.0 Mio pixel micromirror array of 7.6 µm pitch, designed to steer UV wavelengths from 355 to 420 nm. This DMD offers 98% window transmission, 88% micromirror reflectivity, 92% array fill factor, and 85% diffraction efficiency.

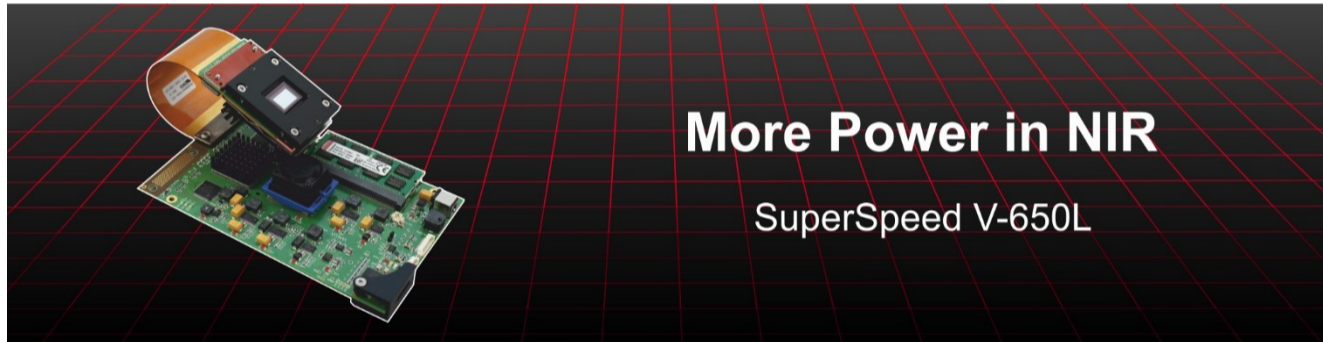
V-9001 UV takes advantage of the ALP-4.3 Controller Suite that enables maximum data rates and pixel level control for all SuperSpeed V-Modules. Advanced control features, like scrolling patterns from 128Gbit on-board RAM, are implemented to support advanced industrial exposure. That way, existing solutions based upon DLP9500UV can be directly upgraded to achieve gain in resolution and data rate.



More Power in NIR

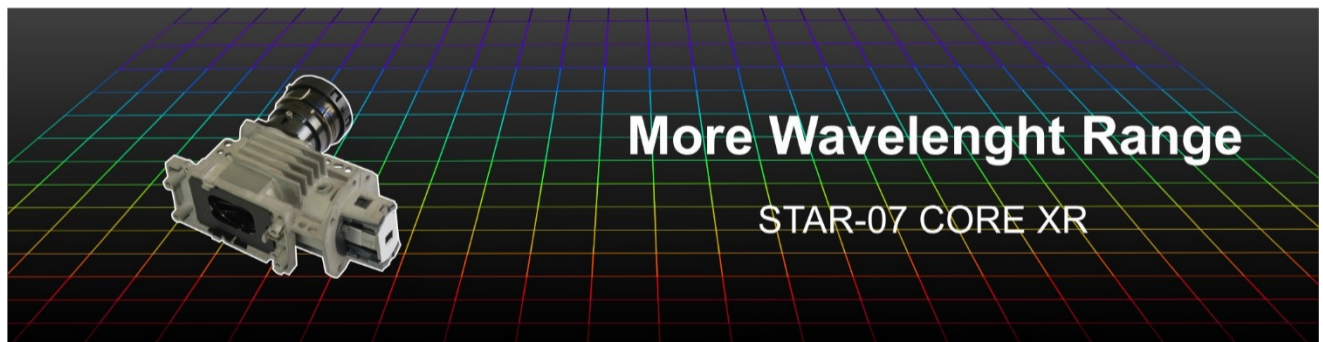
The V-650L NIR module, released to market in spring last year, has found rapid acceptance. The V-Module controls the DLP650LNIR micromirror device that operates as a spatial light modulator (SLM) to steer near-infrared (NIR) light and generates high speed patterns for advanced imaging in industrial equipment. The thermally efficient package allows customers to combine the DMD with high-power NIR laser illumination for dynamic digital printing, sintering and marking solutions.

The V-650L NIR SuperSpeed Module proved valuable in designing future products exploiting the maximum DMD power density of 500W/cm² and the 160 W total power transmission capacity for infrared light in the 950-1150 nm range.



More Wavelength Range

The STAR CORE optics is been widely used as an off-the-shelf component for machine vision and 3D scanning solutions using the DLP7000 or DLP6500 digital micromirror device in the visible wavelength domain of 405-700 nm. ViALUX has designed the new STAR-07 CORE XR optical module to support the extended range of 405-850 nm with high efficiency so that latest high-power NIR light sources can be applied.




ViALUX is going to present the new products at Photonics West 2020 and we look forward to meeting you in San Francisco in February this year.

Please contact the ViALUX team if you wish more information about the new products: dlp@vialux.de.

Yours sincerely

DLP Sales and Support



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#4349

Exhibition Dates:
4 - 6 February, 2020

The Moscone Center, San Francisco, USA

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