

DATA MODUL introduces new LCD series with professional grade Full Array Local Dimming technology

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DATA MODUL announces the launch of its new LCD display series featuring an innovative full-area local dimming (FALD) backlighting solution. The backlight incorporates a dense array of LED zones which can be individually and dynamically controlled in harmony with the display content.

The first available display from this series is the 7" WUXGA display with 360 zones, a wide color space of 105 % DCI-P3, a high contrast of 10,000,000:1, a typical brightness of 1800 nits and a 10-finger in-cell touch on board. DATA MODUL plans to extend the range of displays with FALD technology, from the 7" WUXGA displays now available to the 10.1" FHD, along with 13.3", 17.3" and 24" UHD sizes. All displays will be available in combination with a suitable HDMI (or DP input) control card for signal and backlight control.

"DATA MODUL has been able to take a new approach in controlling the LED backlight of an LCD display to achieve an OLED level display that is compelling for all industries. The result is our new LCD series with FALD technology. Compared to standard LCD displays, deeper black tones and better black level uniformity can be achieved", explains Claus Vogt, Head of Product Management Display at DATA MODUL.

The advantages of DATA MODUL's professional grade FALD technology compared to conventional backlighting technology are OLED-level contrast and color, superior image quality and true sunlight readability. Beyond that, the power consumption is significantly lower compared to similarly bright displays. This makes the new series ideal for the automotive industry, medical imaging or marine and military applications.

For more information contact our Sales team at sales@data-modul.com.

About DATA MODUL

DATA MODUL Inc. is one of the leading providers of display, touch, embedded, monitor and panel PC solutions for industrial and professional applications. We are a leading display distributor with top manufacturers for flat and touch screens allowing us to maintain a comprehensive inventory for long life for our industrial and medical products. We also offer PCAP touch screens and embedded computer systems. With focus on in-house product development, DATA MODUL Inc. can create and showcase new innovative products. DATA MODUL Inc. maintains ISO 9001, 14001 and 13485 certifications, adding value to today's applications for industrial, medical, gaming, robotics, transportation and maritime.

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