



Press Information

KYOCERA introduces a new 12.1" WXGA LCD Module for Off Highway Applications

Features Advanced Wide Viewing Technology and 1000 cd/m² for best optical performance

Kyoto/London, September 19th, 2018. The Japanese technology Corporation Kyocera, a leading manufacturer in the field of electronic devices, is expanding its range with a new 12.1" TFT module with Advanced Wide View technology and 1000 cd/m² brightness for off-highway applications. The display is therefore precisely adapted to the new requirements in construction machines and tractors: The range of software menus is rapidly expanding and the work cabins are generously glazed. The ISO Bus terminals used therefore require a larger display area with high performance visibility in order to be able to display the menu legibly in all operating situations. Reflections must not interfere.

The new Kyocera 12.1" TFT-LCD (part number: TCG121WXLPA PNN-AN*65) has a resolution of 1280 x 800 pixels, with outline dimensions of 277.7 mm x 182.5 mm x 9.8 mm, and an active display area of 261.1 mm x 163.2 mm. It provides brightness of 1000 cd/m² with a contrast ratio of 750:1 and viewing angle of 170 degrees. Thanks to Kyocera's Advanced Wide View technology, the module can be rotated either horizontally or vertically. The wide viewing angle and high contrast are retained.

It also features a LVDS interface, an operating temperature range of -30 to +80°C and a storage temperature range of -30 to +80°C. In addition, the new Kyocera display module fits well into compact product designs: no additional components are required for backlighting. The use of effective LEDs also ensures that the heat loss is greatly reduced, so that installation in a closed device is trouble-free. "Loss of heat due to bright backlight LEDs leads to service life problems in closed devices. Kyocera increased the reliability by using more effective components," explains Eberhard Schill, Manager Marketing and Distribution at Kyocera Display Europe GmbH.



The highly effective Kyocera constant current LED driver with a dimming rate of 1 percent to 100 percent by pulse width modulation (PWM) is also integrated. In addition to the new Kyocera TCG121WXLAPNN-AN*65 module, the compatible TCG121WXLAPNN-AN20 with 500 cd/m² is also available for series gradation.

With nearly 40 years of experience in innovative LCD technologies, Kyocera is a preferred supplier for industrial, automotive and medical displays. The Japanese company is actively engaged in the development of environmentally friendly products and is working to reduce the use of environmentally harmful materials in industry. Naturally, the products comply with the EU directive on the use of hazardous materials RoHS (Restriction of Hazardous Substances).



Kyocera TCG121WXLAPNN-AN*65 High Brightness



For more information on KYOCERA: www.kyocera.co.uk

About KYOCERA

Headquartered in Kyoto, Japan, KYOCERA Corporation is one of the world's leading manufacturers of fine ceramic components for the technology industry. The strategically important divisions in the KYOCERA Group, which is comprised of 264 subsidiaries (as of March 31, 2018), are information and communications technologies, products which increase quality of life, and environmentally friendly products. The technology group is also one of the oldest producers of solar energy systems worldwide, with more than 40 years of experience in the industry.

The company is ranked #522 on Forbes magazine's 2017 "Global 2000" listing of the world's largest publicly traded companies. With a global workforce of over 75,000 employees, KYOCERA posted net sales of approximately €12.04 billion in fiscal year 2017/2018. The products marketed by the company in Europe include printers, digital copying systems, microelectronic components, and fine ceramic products. The KYOCERA Group has two independent companies in the United Kingdom: KYOCERA Fineceramics Ltd. and KYOCERA Document Solutions.

The company also takes an active interest in cultural affairs. The Kyoto Prize, a prominent international award, is presented each year by the Inamori Foundation — established by KYOCERA founder Dr. Kazuo Inamori — to individuals and groups worldwide who have contributed significantly to the scientific, cultural, and spiritual betterment of humankind (converted at approximately €764,000 per prize category).

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