

TFT LCDs feature 100K hour lifetimes



Optrex America has introduced three Super High Bright TFT LCDs, including a new 19" diagonal panel, with 1500 nits (cd/m²) brightness, low power consumption, wide operating temperature ranges, and white LED backlights with 100K hour lifetimes.

These displays are ideal for use in outdoor environments, including direct sunlight and other high-ambient-light environments, such as a brightly lit factory floor, where the display has to be readable at all times in any environment over a wide temperature range. The new TFT-LCDs complement Optrex's industry-leading line of Low Power Consumption and Super High Bright panels that are available in a wide range of sizes from 8.4" to 19.0" diagonal.

The new 19" diagonal Super High Bright TFT LCD (P/N T-55699D190J-LW-A-AAN) features 1280 x 1024 resolution, 1500 cd/m² brightness, 33.2W power consumption, a contrast ratio of 800:1, and wide viewing angles of -80°~80°, horizontal and vertical. It also features a wide operating temperature range of -20° to 70° C, a white LED backlight with 100K hour lifetime, and includes a standard LVDS interface.

The 12.1" diagonal Super High Bright TFT LCD (P/N T-55592D121J-LW-A-ABN) features 1280 x 800 resolution, 1500 cd/m² brightness, low power consumption of 13.1W, a wide operating temperature range of -30 to 80° C, and a 100K-hour white LED backlight. It has a 700:1 contrast ratio, with wide viewing angles of -80°~80°, horizontal and -60°~80° vertical. LVDS interface is standard.

The 9.0" diagonal Super High Bright TFT LCD (P/N T-55562D090J-LW-A-ACN) features 800 x 480 pixel resolution, 1500 cd/m² brightness, and low power consumption of 6.4W, along with a wide operating temperature range of -30 to 80°

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C and a 100K-hour white LED backlight. It has an 800:1 contrast ratio, with wide viewing angles of -80°~80° horizontal and -60° to 80° vertical, with a standard LVDS interface.

Sample pricing for the 9.0" Super High Bright LCD is \$400.00. For more information, contact Jessica He at Optrex America, Inc., 46723 Five Mile Road, Plymouth, MI 48170. Tel: 734-416-8500; Fax: 734-416-8520; E-mail: jhe@optrexusa.com [1]. More information about Optrex LCD products and display technologies is available at www.optrex.com [2]

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