

InfoVue™ Field Sequential Color LCD Technology



A Cost-Effective Option for Monochromatic Display Applications Looking to Transition to Color

Lumex's InfoVue FSC LCDs are ideally suited for applications that need to migrate from monochromatic to color display or for those who already have color displays but are looking for a low cost alternative to full-color, graphic TFT and CSTN technology. Lumex's simplified manufacturing process reduces cost and speeds time to market while still providing a high-quality color display.

Features:

- TN positive, transmissive and statically-driven
- Provides consistent performance in temperatures ranging from -20°C to 60°C
- Available in custom sizes ranging from one inch squared to five inch squared
- Alphanumeric segments are available in seven standard colors with a white background or in black with the seven standard colors as background options
- Provides fast response time and low power consumption

Applications:

- Microwave displays
- Portable medical monitors
- Clocks and Stereo displays
- Refrigerator displays

Markets:

- Personal Electronics
- Appliances
- Medical Devices
- Industrial Controls

LUMEX[®]
Creating LED and LCD Solutions Together™

New InfoVue™ FSC LCD Technology Provides a Cost-Effective Option for Monochromatic Display Applications Looking to Transition to Color

Innovative LCD provides high color saturation, fast response time and low power consumption

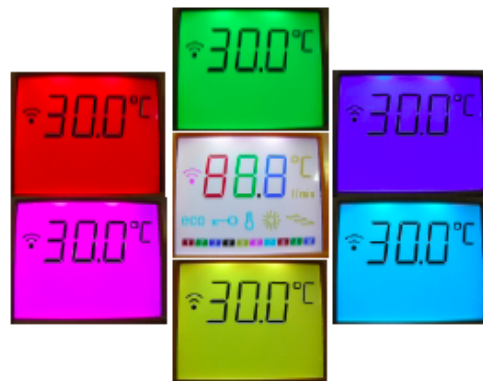
Lumex's new InfoVue FSC (Field Sequential Color) family of color alphanumeric LCD displays, are a cost-effective alternative for monochromatic devices looking to transition to color. InfoVue FSC LCDs help drive brand differentiation as color display technology can now be affordably integrated into a wide range of applications – with up to 80% cost savings compared to full-color, graphic TFT LCDs. The new LCD technology also provides fast response time and low power consumption.

Compatible with standard LCD drivers, InfoVue FSC technology is ideal for a wide range of display applications that require cost-effective color alphanumeric displays. Applications include:

- Personal electronics (including clocks and phones as well as stereo, entertainment and video game systems);
- Appliances (including displays on microwaves, refrigerators and vacuums);
- Industrial Control technology (including residential and commercial smart meter energy controls, residential and commercial environmental controls and motor drive controls);

InfoVue FSC LCDs feature integrated RGB LED backlights that allow for a wide range of color display options. The innovative chips-on-glass technology provides simple color programming with high color saturation performance. The simplified manufacturing process eliminates the need for color filters, transistors and brightness enhancement film.

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technology,” explained Yasoob Ahmed, Display Technology Manager at Lumex. “The simplified manufacturing process reduces cost and speeds time to market while still providing a high-quality color display.”

InfoVue FSC LCDs are TN positive, transmissive and statically-driven. They provide consistent performance in temperatures ranging from -20°C to 60°C.

InfoVue FSC LCD technology comes with complimentary integration support. Lumex Technical Design Specialists can integrate the FSC technology with LEDs, light pipes, switches, connectors and other key components to create solutions that maximize performance and efficiency in each individual application

The RoHs compliant InfoVue FSC LCDs are available in custom sizes ranging from one inch squared to five inch squared. The alphanumeric segments are available in seven standard colors with a white background or in black with the seven standard colors as background options.