

# InfoVue™

## EBTN LCD Technology



EBTN



Negative TN



### Market-Leading High Contrast LCD Technology

Lumex's new EBTN (Enhanced Background Twisted Nematic) LCD technology is very effective at blocking light and providing the highest contrast TN negative image technology available in the market today. This exciting, innovative custom technology provides a wide viewing angle, low cost energy requirements and uses standard drivers. The resulting sharp, high contrast negative image is ideal for promoting brand image and ensures easy and accurate display viewing.

#### Features:

- Available in sizes ranging from 1.0 inches squared to 5 inches squared
- Offers a contrast ratio of 300 to 1, compared to traditional LCD technology

#### Applications:

- Gas pumps & flow meters
- Portable heart monitors
- Routers, switches & gateways
- Refrigerator displays
- Control panels

#### Markets:

- Industrial Controls
- Medical Devices
- Appliances
- Communications Equipment

**LUMEX®**  
Creating LED and LCD Solutions Together™

FOR IMMEDIATE RELEASE

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## **New InfoVue™ EBTN LCDs from Lumex Provide Market-Leading Contrast and Cost Savings**

*Custom LCD technology has wide viewing angle, low energy requirements and uses standard drivers*

Lumex announces the global launch of their InfoVue EBTN (Enhanced Background Twisted Nematic) family of custom negative image TN LCD technology. InfoVue EBTN LCDs provide significant performance and cost savings benefits including contrast up to 6x higher than standard TN LCDs, technology costs up to 40% lower, and energy requirements up to 50% lower than alternative technologies.

InfoVue EBTN technology is compatible with standard LCD drivers and is ideal for a wide range of applications including:

- Industrial control device technology (including gas pumps, flow meters, control panels, test chambers);
- Medical device technology (including portable heart monitors, gas analysis monitors, portable defibrillators, and disposable glucometers);
- Communications equipment (including routers, switches and gateways)
- Appliance (including displays on ovens, microwaves, refrigerators, dishwashers and washers)

“The new proprietary masking technology used between the two glass panels is very effective at blocking light and allows the InfoVue EBTN to provide the highest contrast TN negative image available in the LCD market today,” explained Yasoob Ahmed, Display Technology Manager at Lumex. “The resulting sharp, high contrast negative image promotes brand image and ensures easy and accurate display viewing.”

InfoVue EBTN LCDs provide key performance benefits compared to traditional LCD technology.



*The new proprietary masking technology used between the two glass panels is very effective at blocking light and allows Lumex's InfoVue EBTN to provide the highest contrast TN negative image available in the LCD market today.*

InfoVue EBTN LCDs offer a contrast ratio of 300 to 1, compared to traditional LCDs which offer a contrast ratio of 50 to 1. Sharp, crisp negative images can be displayed using any color backlight.

InfoVue EBTN LCDs also generate significant cost savings compared to alternative technologies like VFDs (Vacuum Florescent Displays). InfoVue EBTN LCDs can cost up to 40% less than VFDs and also require 50% lower energy consumption.

The RoHs compliant InfoVue EBTN LCDs are available in sizes ranging from 1.0 inches squared to 5 inches squared.

Pricing is approximately \$0.50 to \$10.00 per unit in production quantities dependent on size and quantity ordered. Standard lead time for completed custom technology is 8 weeks and all orders come with expert support from Lumex's team of Technical Design Specialists.