



**optivisus**

*Soluções reais para Voz, Dados e Imagem*

**led**

CCTV Monitor

**LED** CCTV MONITOR LEADING THE EDGE OF SURVEILLANCE DISPLAY  
LED technology benefits from intelligent color corrective technology with a mercury-free WLED backlight that automatically detects image signal and intelligently controls backlight brightness for blacker blacks, purer whites and more clearly defined grays.



# LED vs CCFL

## COLOR PERFORMANCE



LED



CCFL



**Outcome** LED backlit monitors have high color gamuts and provide more accurate colors. Color gamut is controlled by the monitor's color filters and the backlight's radiation spectrum.



## Contrast and black level



LED



CCFL



**Outcome** LED CCTV technology has a clear advantage in contrast and black level. The image with stereoscopic.

## Summary

The use of LEDs for backlighting can provide a color spectrum that closely follows the color filtering in the LCD pixel itself. This method allows the color component to be very precise with the color it's using. Also, each individual RGB LED can be tailored to produce the most vivid colors.

*Auspice STAR*

# LED vs CCFL

## Viewing angle

LED



CCFL



Outcome

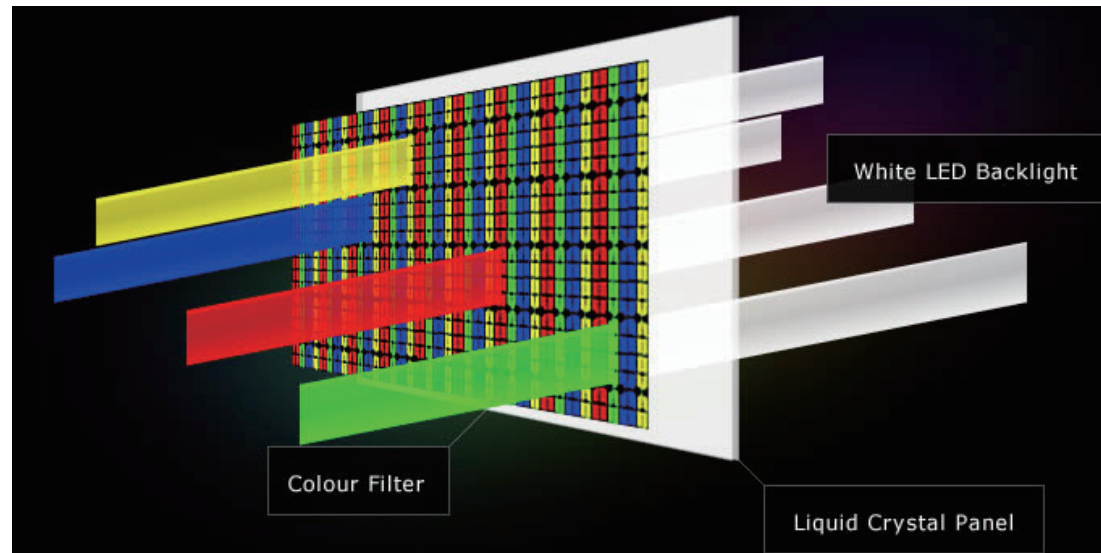
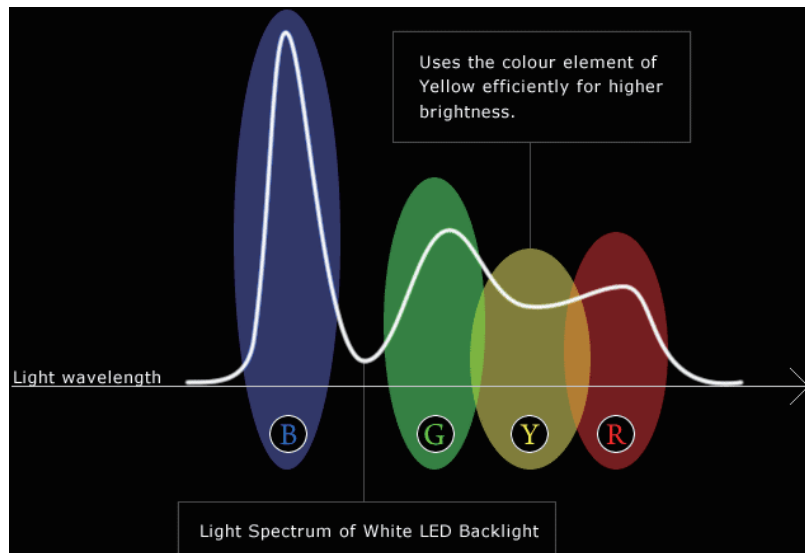
LED CCTV monitor have less of a problem with viewing angle because of the backlit technology, With higher angle to watch the display, the brightness of the CCFL backlit system decreased a lot compared to LED CCTV monitor. The color tint even near to cyan compared to LED monitor.





## LED backlights have lower power consumption

Yes! At least LED backlights do. The biggest factors that affect monitor power consumption are screen size and luminance. Check out our most recent monitor power consumption chart. Most of the LED-based monitors are rated as "Good."





# ENERGY SAVING 40% UP

LED allows users to make a significant energy saving while providing unrivalled picture quality and a rich feature set, and we are proud to be leading the way in the green LED movement."



# SAVING THE EARTH LESS COST FOR DISPOSAL

LED backlights take less of a toll on the environment when it's time to dispose of them. CCFL technology makes liberal use of mercury, and thanks to the element's high toxicity level, can be a danger to the environment. LEDs contain no mercury and can be recycled much easier. LED-based monitors will offer low-power-consuming thin panels that are much easier disposed of than CCFL-based displays.

