



Conventional TN Monitor

IPS231B-BN

IPS performance: meeting the demands of the photography field.

In conventional TN monitors, colors tend to lose its integrity when viewed at wide viewing angles. Even viewing images in front of the screen, colors reproduced can differ from the original image. These color distortions can be very frustrating for professional photographer. LG's IPS panel is designed to maintain the accurate color reproduction even from viewing angles above, below, left and right of the screen.

"The IPS monitor is perfect for appreciating and editing digital photographs."

-American Society of Media Photographers

asmp

LED Vivid Colors, Clear Contrast

The LED backlight renders images in brighter, clearer colors with delicate precision. Its Mega Contrast Ratio expresses subtle color differences as well as the deepest and the most difficult shades of black.



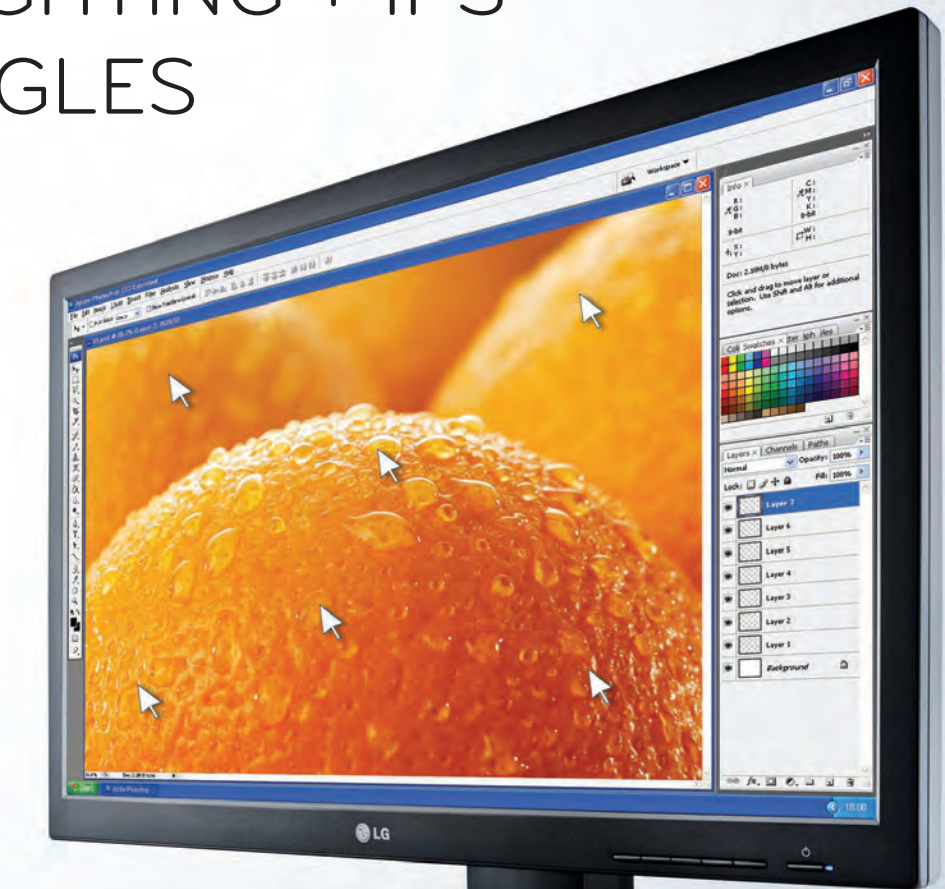
LG SUPER LED-BACKLIT IPS MONITOR IPS231B-BN

DISPLAY	
LCD Panel Type	23" class
Display Area	23.0" Measured diagonally
Color	Black
Color Gamut (CIE1931)	72%
Color Depth	16.7 Million Colors
Pixel Pitch	0.265mm
Aspect Ratio	16:9
Maximum Resolution	1920 x 1080
Brightness	250 cd/m ²
Contrast Ratio	5,000,000:1(DFC)
Response Time	5ms (GTG)
Viewing Angle (HxV)	178°/178°
Surface Treatment	Non-Glare, 3H
USER INTERFACE	
PC Input	D-Sub, DVI-D
POWER	
Input	100-240V
Normal Usage	35W (Super Energy Saving Off) 32W (Super Energy Saving On)
Stand-by Usage	0.3W
FREQUENCY	
Analog/Digital	30-83kHz (H-Frequency) 56-75Hz (V-Frequency)
LANGUAGE	
Set-up	English, Germanic, French, Spanish, Italian, Swedish, Finnish, Portuguese, Polish, Russian, Greek, Chinese, Japanese, Korean, Ukrainian, Hindi
DIMENSIONS	
Set w/Stand (W x D x H)	21.6" x 8.8" x 18.8"
Set w/o Stand (W x D x H)	21.6" x 2.2" x 13.2"
Box	24.6" x 8.0" x 16.3"
WEIGHT	
Set w/Stand	10.36 lbs
Set w/o Stand	8.15 lbs
Box	14.08 lbs
STAND	
	Base Detachable
	Swivel (356°)
	Height (110mm)
	Tilt (-5° Front - 15° Rear)
	2 x 1W (Hidden)
SPEAKER	
Safety	
CERTIFICATIONS	
Safety	TCO 5.0, UL (cUL), TUV-GS (TUV-Type), SEMKO
EMC	FCC-B, CE
Environment	RoHS
ENERGY STAR (EPA) 5.0	Yes
EPEAT	Gold
VESA Mount	Yes
ISO13406-2	Yes
Microsoft® Logo	Microsoft Windows 7
SPECIAL FEATURES	
	f-ENGINE
	Intelligent Auto (Auto Resolution)
	Photo Effect
	sRGB
	HDCP
	Plug & Play - DDC2B, DDC/CI
	Super Energy Saving
ACCESSORIES	
	Power Cord
	D-Sub Cable
LIMITED WARRANTY	
	3 Years (parts/labor/backlight)
	Swap Program available
	Call Toll-Free 1-800-243-0000
	7 19192 18861 7
UPC CODE	

* The specifications and features are subject to change without prior notice.
* 42" model for European region will be available from September 2011.



LED BACKLIGHTING + IPS VIEWING ANGLES



www.LGolutions.com

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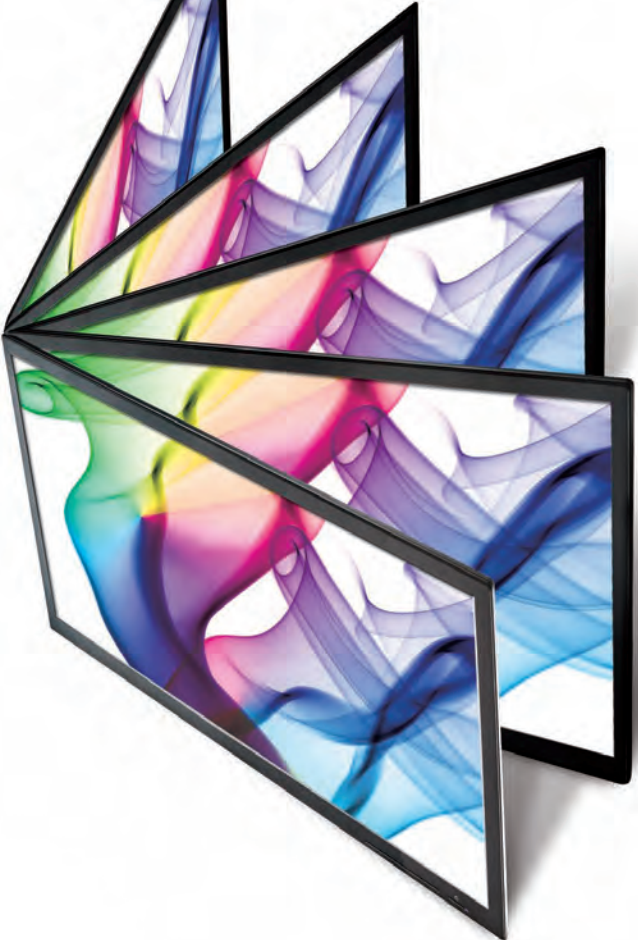
All screen images are simulated.

Dimensions and weights are approximate. Design, features and specifications subject to change without notice.
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Printed in the USA. July 2011

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VIEWING INNOVATION SUPER Angle



Super Viewing Angle Virtually from Any Perspective

Tired of constantly changing your monitor's position looking for the perfect view? Now you'll be able to enjoy consistent colors and tones throughout the screen. An IPS6 monitor produces colors with relative accuracy to the original image even when viewed at a wide angle. Colors remain consistent throughout the entire screen.



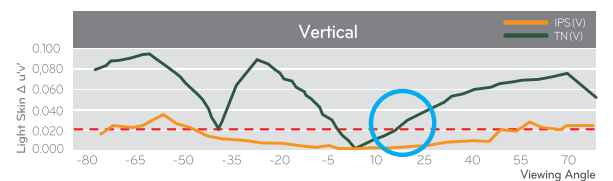
Accurate Color Matching with the Original Image

Start seeing images true to their authentic beauty as the IPS231B-BN produces color tones that closely match the original image.



Consistent Color Temperature

Have you ever experienced a seemingly bluish or reddish screen when viewing images through the TN monitor? That is because the color temperature has been reproduced to be higher or lower than that of the original image. Note, however, that the IPS monitor reproduces optimal real color. The graph shows that the TN monitor displays extensive changes in color temperature according to the gray scale. In contrast, the IPS monitor maintains the color temperature at a consistent level close to 6500K as the optimal color temperature.

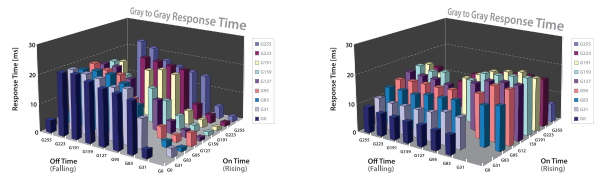


Images That are Easy on the Eyes

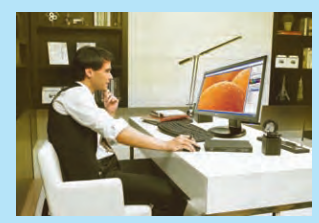
Using the IPS monitor allows you to enjoy excellent video quality with minimal afterimages, which helps reduce your chances of eye strain. Its consistent response time is perfect for fast moving videos such as action movies, sports, video games and other dynamic videos.



As shown in the graph, the TN monitor shows a relatively highly fluctuating response time, whereas the IPS monitor provides a consistent response time.



IPS Technology



1. During graphic work
You can maximize work efficiency by reproducing color into the original image during photo editing.



3. Enjoying video games with friends
Every seat in the house enjoys the same image colors and clarity.



2. When you use the monitor hung on the wall
You can hang the monitor on the wall, thanks to the wide angle of vision. You can also use the monitor to display information at retail stores.



4. Viewing pictures with family members
Without color shift due to angle change, the whole family can view the same picture.



SUPER Energy Saving

LG's SUPER Energy Saving technology reduces luminance to save energy, increases data gain, and opens the LCD aperture further to maintain image brightness. The noise that can be generated during this process is removed by f-Engine (RCM&ACE). As a result, images are reproduced with minimal image loss while saving on overall power consumption.

Ergonomic Design

The monitor's height, 356° swivel, and tilt adjustable stand aids in diminishing fatigue and eye strain while pivot head switches from a landscape to portrait orientations.



Invisible Speaker

Break through the idea that speaker grills must be exposed. The result is a cleaner look that also saves space.

