

# Why Gen II LCoS™ HDTV?

- 1) UltraContrast™**  
On-screen contrast ratios as high as 2000:1 deliver an unparalleled viewing experience.
- 2) Optimal Clarity**  
At 92% fill factor per pixel, unsurpassed image clarity and fidelity is delivered without the "screen door" effect found in plasma and HTPS LCD.
- 3) True Blacks**  
Cinematic dark-state performance shows movies the way the director intended [0.3 cd/m<sup>2</sup> (nits)].
- 4) No Digital Video Artifacts**  
Stunningly vivid imagery—even in subtle gray-level scenes—without the digital video artifacts visible in DLP™ systems.
- 5) Built for Fast Action**  
Action sequences with no blurring or tearing artifacts as with HTPS LCD.
- 6) No Burn-In**  
No image burn-in as with plasma.
- 7) Crisp Daylight & Nighttime Viewing**  
Crystal clear images, even in full daylight. No ambient room lighting problems as with HTPS LCD and CRT.
- 8) True Colors in Every Corner**  
Vivid, rich, fully saturated colors cover the screen. No patches of color variation as in Gen I LCoS.
- 9) No Rainbows**  
Image stability regardless of content. No eye strain or headaches from rainbow effects seen in DLP™ and single-display Gen I LCoS systems.
- 10) Long Life**  
A fully solid-state system, built-to-last with no spinning color wheel as in DLP™. No degradation of image over time as in plasma.

## Delivering the Perfect Picture.



**Brillian 6501mPB 65-inch 720p HDTV Monitor**

# Brilliant 6501mPB 65-inch 720p HDTV Monitor Specifications

## Imaging

Three-megapixel light engine with three Brilliant BR768HC UltraContrast™ Gen II LCoS™ microdisplays

- 0.7-inch diagonal, 1280×768 (1280×720 active) pixels/display
- >92% fill factor
- 4 ms average response time
- 450 cd/m<sup>2</sup> (nits) typ. luminance (brightness)
- Up to 2000:1 on-screen contrast ratio
- 6,500K/8,500K/10,500K adjustable white point<sup>1</sup>

## System Electronics

- Advanced motion-adaptive deinterlacing/scaling video processing
- All format conversion (480i, 480p, 720p, and 1080i) to 720p (progressive-scan) mode
- 120 Hz-progressive display refresh rate
- Support for 13 different inputs (DVI, VGA, HD-component, SD-component, RF-tuners, S-video, and composite)

## Audio Output

Broadcast Stereo Decoder

Internal Audio System

- 15 W/channel stereo amplifier, 1% THD, 1 kHz
- Virtual Dolby® Surround Technology
- Configurable as center channel

## Screen

- 65-inch diagonal, 16:9 aspect ratio (56.65"×31.88" nominal)
- Super-fine-pitch (0.155mm) surface features
- 170° horizontal, 50° vertical viewing angles

## Software/User Interface

- Expansive RS-232 control features
- High-quality picture-in-picture and dual-image split screen
- Six standard screen layout modes

## Power

- 120 Vac, 60 Hz nominal (104–132 Vac, 57–63 Hz)
- 270 W max. operating, 2.5 W max. standby

## Lamp

150W metal halide, 4000–6000 hr., user replaceable

## Size and Weight

Width: 60 inches  
Height: 44 inches  
Depth: 23 inches  
Weight: 118 lbs

## Availability

- 6501mPB: available now

## Notes

1. Approximate values representing normal color temperatures.

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