

Why Gen II LCoS™ HDTV?

1) UltraContrast™

Up to 4000:1 contrast ratio. Rated best in the industry.

2) Optimal Clarity

A >90% aperture ratio for each pixel delivers unsurpassed image quality and fidelity without the "screen door" effect plaguing plasma and LCD televisions.

3) True Blacks

Exceptional black level [0.14 cd/m² (nits)] performance renders details the way the director intended.

4) No Digital Video Artifacts

Patented 12-bit analog grayscale color reproduction offers stunningly vivid and smooth video imagery, even in subtle gray-level scenes, without the digital artifacts seen in DLP™ or HD-ILA™ displays.

5) Designed 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 first-generation 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.



Brilliant Brand 6580iFB 65-inch 1080p HDTV

The Perfect Picture. The Smartest Platform.

The Brilliant brand 6580iFB is the ultimate high-definition television and the perfect media-center platform for now and the future. Based on industry-leading Gen II liquid-crystal-on-silicon (LCoS™) technology, the 6580iFB HDTV provides the ultimate viewing experience with intensely brilliant and sharp on-screen images in any lighting. Featuring UltraContrast™ technology, this next-generation HDTV gives you the highest commercially available on-screen LCoS contrast ratio in a rear-projection HDTV. With its ultra-fine-pitch 16:9 widescreen, 170-degree viewing angle, six megapixel 1920×1080-pixel (1080p) three-panel light engine and a new mega-sharp lens design to accommodate the smaller, denser pixel array, the set provides professional-quality, 480i-to-1080p resolution video support with exquisite detail.

The 6580iFB HDTV provides much more than the perfect picture, it is a highly intelligent hardware and software platform that interconnects with home automation and corporate A/V control systems. Designed from the bottom up to be adjustable, manageable, and upgradeable; there is no HDTV in the world like it.

You've waited long enough for the media-center of tomorrow. The video centerpiece is here today, the Brilliant brand 6580iFB.

Brilliant Brand 6580iFB 65-inch 1080p HDTV Specifications

Imaging

Six-megapixel light engine with three BR1080HC UltraContrast™ Gen II LCoS™ microdisplays

- 0.7-inch diagonal, 1920 × 1080 pixels/display
- >90% fill factor
- 4 ms average response time
- 435 cd/m² (nits) typ. luminance (brightness)
- Up to 4000:1 on-screen contrast ratio
- 6,500K/8,500K/10,500K adjustable white point¹

System Electronics

- Advanced motion-adaptive deinterlacing/scaling video processing
- Input support for 480i, 480p, 720p, 1080i and 1080p video modes
- Input support for VGA to SXGA personal computer resolutions
- 120Hz-progressive scan display refresh rate
- Support for 14 different inputs (DVI, VGA, HD-component, SD-component, NTSC RF-tuners, S-video, and composite)
- ATSC digital terrestrial broadcast tuner/QAM-clear digital cable tuner
- Dual NTSC analog tuners

Audio Output

- Digital Audio (S/PDIF) Optical and Coaxial Output
- 15W/channel stereo amplifier, 1% THD, 1kHz
- Dolby® Digital 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

- Professional settings including custom color temperature and gamma control
- Six standard screen layout modes
- High-definition picture-in-picture and dual-image split screen
- Expansive RS-232 control features
- Crestron and AMX automation system certified

Power

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

Lamp

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

Size and Weight

Width: 60 inches

Height: 44 inches

Depth: 21 inches

Weight: 122 lbs

Notes

1. Approximate values representing normal color temperatures.

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