

PN50B450 50" Widescreen Plasma HDTV

(49.9" (truncated) actual diagonal screen size)



Samsung's next generation plasma HDTVs redefines the standard across design, performance, and price. New for 2009, all of Samsung's plasmas will feature our new E-panel designed to deliver improved performance and meet the new ENERGY STAR® power consumption specifications. The most popular screen for larger family rooms, the PN50B450 is Samsung's best value PDP flat panel HDTV that features an attractive "piano key black" cabinet, our 600Hz subfield motion technology, 3 advanced HDMI inputs that feature our Anynet+ (CEC standard) technology making system control of your DVD or Blu-ray disc player a one-touch operation. Experience the performance of Samsung's new 50" plasma HDTV that's easy on the environment and easy on the wallet.

TV/VIDEO

- New attractive "piano key black" cabinet with swivel base
- HD 720p performance
- New E-Panel technology
 - Samsung's FilterBright™ glare minimizer
 - New 600Hz subfield motion technology
 - .001ms response time
- HDTV off-air and Clear QAM Digital Cable Tuner
- ENERGY STAR® compliant active power rating
- "Green" design lead-free components
- Samsung's Game Mode

AUDIO

- Watts per channel: 10W x 2 (20 watts total)
- SRS TruSurround HD

CONNECTIONS

Digital A/V Inputs

- 3 HDMI with Anynet+ (HDMI-CEC) (2 rear/1 side)
- USB (1 rear) for picture viewing

Component/Composite A/V Inputs

- Component Video (2 rear)
- Composite Video (1 side)

PC Inputs

- RGB (1 rear)



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SPECIFICATIONS

New E-Panel with FilterBright™ anti-glare technology: delivers improved performance in the areas of color saturation, contrast and energy efficiency.

Dynamic Contrast Ratio provides a new level of image performance in Samsung's latest-generation plasma panels.

New E-Panel technology

- **FilterBright™** panel minimizes glare and reflections.
- **600Hz Subfield Motion** for clear motion pictures.
- **Response time:** A fast .001ms response time minimizes blurring of fast motion in sports programs and movie content

Wide Color Enhancer2: creates true to life-like color reproduction with selectable settings.

Built-in HDTV Tuner (ATSC/NTSC) with Clear QAM tunes off-air and unscrambled digital local cable channels

Game Mode: A push of a button enhances dark areas, sharpens the picture, speeds up the image processing response and enhances the sounds of your games. Picture and sound quality is optimized for gaming systems.

Single User Interface: on screen design **SRS TruSurround HD™** creates an immersive, feature-rich surround sound experience from two speakers, complete with rich bass, high frequency detail and clear dialog.

10 watts per channel (20 watts total)

USB JPEG: For playing MP3 and displaying JPEG files through the USB connection on selected Samsung TVs.

HDMI High Definition Multimedia Interface provides a simple single solution for connecting high quality digital audio/video signals from DVD, Blu-ray players, HDTV cable and satellite set top boxes. Our latest version HDMI features Samsung's Anynet+ technology.

Anynet™+ (HDMI-CEC): allows the TV's remote control to operate at the push of one button, peripheral AV devices such as a DVD player featuring HDMI-CEC.

Side A/V connections: Provide convenient and easy connections for camcorders, cam-eras, or other compatible AV devices.

ENERGY STAR® Compliant reduces energy consumption by up to 40% compared with prior year PDP TVs.

V-Chip¹ system: Allows blocking of rated TV and movie programs determined by a parent to contain objectionable content.

Intelligent Power Saving

Trilingual on-screen displays: Available in English, Spanish, or French.

Favorite channel list permits programming select channels and accessing them by touching the favorites button.

CONNECTIONS

REAR A/V CONNECTIONS

- **HDMI (Digital A/V):** 2
- **Component Video and Audio:** 2
- **USB:** 1 (JPEG)
- **Digital Audio (optical):** 1
- **PC RGB Input:** 1

SIDE A/V CONNECTIONS

- **HDMI (Digital A/V):** 1
- **Composite A/V:** 1

QUALITY

1-year parts and labor warranty. This product is built to last and provide years of trouble-free top quality enjoyment.

ACCESSORIES

Remote control

NET DIMENSIONS & WEIGHT (WXHXD)

TV: 48.1" x 29.5" x 2.9"

Net weight: 69.0 lbs.

TV with stand: 48.1" x 31.9" x 12.4"

Net weight: 77.2 lbs.

SHIPPING INFORMATION (WXHXD)

Dimensions: 58.3" x 34.1" x 11.4"

Weight: 92.8 lbs.

ORDER CODE

PN50B450B1DXZA

UPC

036725229303

¹Feature dependent upon broadcasting of information by local off-air TV and cable channels.

²As an Energy Star® partner, Samsung has determined that this product meets the Energy Star® guidelines for energy efficiency. Energy Star® is a registered trademark of the U.S. Environmental Protection Agency.

Design and specifications are subject to change without notice. Non-metric weights and measurements are approximate.

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For more information on digital TV technology please visit www.samsung.com/hd