

# PN50B550 50" Widescreen Plasma HDTV

(49.9" (truncated) actual diagonal screen size)



Samsung's new PN50B550 plasma flat panel HDTV redefines our commitment to design, performance, and cost of ownership. Its 50 inches of 1080p Full HD picture performance makes it the perfect living room centerpiece. The attractive Touch of Color™ design adds a subtle clear-to-charcoal gray accent to the set's bezel. Enjoy brilliant, film-like images in Full HD resolution. Samsung's breakthrough mega dynamic contrast ratio offers a more accurate color tonal range, deeper blacks and shadow details. The new E-Panel technology featuring our innovative FilterBright™ technology reduces glare in brighter rooms and delivers a better picture while using less energy. Add 4 advanced HDMI inputs that feature Samsung's Anynet™+ (CEC standard) technology making system control of compatible A/V devices like a Blu-ray player or HTIB system a one-touch operation. Experience Full 1080p performance on Samsung's new B550 series plasma HDTVs that are easy on the environment and easy on the wallet.

## TV/VIDEO

- New attractive Touch of Color™ cabinet design
- Full HD 1080p performance
- New E-Panel technology
  - Samsung's FilterBright™ glare minimizer
  - New 600Hz subfield motion technology
  - 1080 Full HD motion
  - Mega dynamic contrast ratio
  - .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: 15W x 2 (30 watts total)
- SRS TruSurround HD

## CONNECTIONS

### Digital A/V Inputs

- 4 HDMI with Anynet+ (HDMI-CEC) (3 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.

**1080 Full HD motion:** Superior fast-moving images.

**Touch of Color (ToC):** Samsung's unique manufacturing process accents the surrounding bezel with a stylish gray tone.

### 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
- **1080 Full HD Motion** delivers better resolution during faster motion sports, movies and games.
- **Mega Dynamic Contrast ratio** provides an improved, purer black level and color performance in Samsung's latest-generation plasma panels

**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, cameras, or other compatible AV devices.

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

**V-Chip<sup>1</sup> 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):** 3
- **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. The product is built to last and provide years of trouble-free top quality enjoyment.

## ACCESSORIES

Remote control

## NET DIMENSIONS & WEIGHT (WXHXD)

**TV:** 48.8" x 30.2" x 2.9"

**Net weight:** 73.6 lbs.

**TV with stand:** 48.8" x 32.4" x 11.4"

**Net weight:** 84.7 lbs.

## SHIPPING INFORMATION (WXHXD)

**Dimensions:** 59.8" x 34.8" x 11.4"

**Weight:** 99.9 lbs.

## ORDER CODE

PN50B550T2FXZA

## UPC

036725229327

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

<sup>2</sup>As 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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