

PN50B650 50" Widescreen Plasma HDTV

(49.9" (truncated) actual diagonal screen size)

SERIES **6** PLASMA TV



Samsung's new PN50B650 plasma flat panel HDTV exemplifies the design and performance refinements for those with discerning tastes and a passion for innovation. Picture your favorite room filled with 50 inches of 1080p Full HD picture performance artistically accented in a new Touch of Color™ design. Samsung's 6 Series E-Panel technology delivers improvements with our Ultra FilterBright™ technology that further reduces glare in brighter rooms and our advanced Crystal Full HD Engine expands the picture viewing experience with less power consumption. The new Medi@2.0 connectivity package offers customizable online content via user-friendly "widgets," networking capability via the DLNA standard, and playback of your camera and camcorder via USB 2.0. 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 and advanced connectivity on Samsung's new B650 series plasma HDTVs that are designed to meet higher pride of ownership expectations and lower the cost of ownership.

TV/VIDEO

- New attractive Touch of Color™ cabinet design
- Full HD 1080p performance
- New E-Panel advanced technology
 - Samsung's Ultra 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
- Crystal Full HD Engine with Cinema Smooth™
- Medi@2.0™
 - Internet@TV - Content
 - DLNA Networking
 - Content Library™ (1GB Flash Memory)
 - USB 2.0 Movie
- ENERGY STAR® compliant active power rating
- "Green" design lead-free components
- Samsung's Game Mode
- Glass Touch of Color™ stand

AUDIO

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

CONNECTIONS

Digital A/V Inputs

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

Component/Composite A/V Inputs

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

Ethernet

- LAN (1 rear)

PC Inputs

- RGB (1 rear)



All features, specifications, and model numbers subject to change. All on screen images are simulated pictures.

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SPECIFICATIONS

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

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

Crystal Full HD Engine: Images of incredible clarity are achieved by the Samsung Crystal Full HD Engine chip. By unifying all of the TV's advanced imaging technologies, the Samsung Crystal Full HD Engine expands performance, enhances all aspects of the image, and takes picture quality and image integrity to new levels of excellence.

Cinema Smooth™: refined playback of 24p movies from Blu-ray and satellite HDTV sources.

New E-Panel advanced technology

- **Ultra FilterBright™** panel further minimizes glare and reflections.
- **600Hz SubField Motion** for clear high-contrast motion pictures.
- **Response time:** A fast .001ms response time optimizes fast motion video content.
- **1080 Full HD Motion** delivers better resolution with less blurring during faster motion sports, movies and games.
- **Mega Dynamic Contrast ratio** expands black level and color performance in Samsung's latest-generation plasma panels.

Medi@2.0 Connectivity

- **Internet@TV - Content**
- **DLNA Networking with compatible components**
- **Content Library™ (Flash Memory):** stores limited amount of pictures and video for playback.
- **USB 2.0 Movie** for playing MP3, MPEG movies and displaying JPEG files through the USB 2.0.

Wide Color Enhancer3: expanded selectable color reproduction 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 the image processing response and sounds of your games.

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)

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.

Intelligent Power Saving: selectable levels

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

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
- **Ethernet (LAN):** 1
- **Digital Audio (optical):** 1
- **PC RGB Input:** 1

SIDE A/V CONNECTIONS

- **HDMI (Digital A/V):** 1
- **Composite A/V:** 1
- **USB:** 2 (Picture/Movie)

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
Swivel stand

NET DIMENSIONS & WEIGHT (WXHXD)

TV: 48.4" x 29.8" x 2.9"

Net weight: 73.2 lbs.

TV with stand: 48.4" x 32.2" x 11.4"

Net weight: 84.2 lbs.

SHIPPING INFORMATION (WXHXD)

Dimensions: 59.8" x 34.4" x 11.4"

Weight: 99.2 lbs.

ORDER CODE

PN50B650S1FXZA

UPC

036725229495

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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309-SS Printed in USA.