

PN50B850

50" Widescreen Plasma HDTV

SERIES **8** PLASMA TV



Ultra Slim High Definition Plasma Television

Imagine the world's slimmest 1080p HD plasma (1.2") with built-in ATSC tuner that delivers Ultra FilterBright Plus™ technology, a stunning new Touch of Colour™ chassis design—and Samsung's exclusive Medi@2.0, a multi-media and networking suite. All this is engineered into Samsung's greenest plasma yet!

TV/Video

- Ultra-Slim Design with Built-in Tuner
- Touch of Colour™ Design
- Full HD 1080p Resolution
- Mega Dynamic Contrast Ratio (3,000,000:1)
- Ultra FilterBright Plus™
- Samsung Crystal Full HD Engine
- Wide Color Enhancer 3
- Medi@ 2.0 – Internet@TV, Content Library Flash, Wireless DLNA, USB 2.0 Movie
- 1080 Full HD motion
- 600Hz Subfield Motion
- 0.001ms Response Time
- BD Wise
- Built-in Woofer

- Anti Burn-in Technology
- Built in HDTV Tuner
- Game Mode
- Anynet+ (HDMI-CEC)
- Side A/V Ports
- Ethernet
- Intelligent Power Saving
- Energy Star®
- Lead-Free

Audio

- 15-Watts per Channel Built-in Audio
- Direct Down-firing Speakers
- Built-in Woofer
- SRS TruSurround HD

Connections

- 4 HDMI™ Inputs
- Component Video Input
- Composite Input
- PC Input

Additional Features

- Swivel Stand
- Floating Glass Stand



OFFICIAL HDTV OF THE NFL

50" Widescreen Plasma HDTV

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Features

Mega Dynamic Contrast Ratio (3,000,000:1)

The unparalleled Mega Dynamic Contrast Ratio of the Samsung Plasma TV Series 8 provides clarity better than you ever thought possible. Our unique technology analyzes the histogram of the input scene in real time and controls the black level to maximize clarity as the brightness level of the input scene changes. That means the contrast ratio expands more than a conventional plasma TV and can achieve a maximum contrast ratio.

Ultra FilterBright Plus™

Samsung's patented Ultra FilterBright technology enables you to enjoy clear images in any lighting condition. Super Black Panel absorbs external light and reduces reflection for high picture clarity and darker black expression. Our optimal Light Filter further reduces the reflection to minimum levels and eliminates the external light side effects.

Samsung Crystal Full HD Engine

Crystal Full HD Engine enhances picture detail and clarity and reduces "noise" from lower resolution (SD) images for the best image possible, regardless of source.

Touch of Colour (ToC™) with Floating Glass

The beauty of nature lies in its ever-changing form, colour, and light. New materials offer a never-seen-before TV that captures the essence of natural beauty through natural light, styles, and tones which constantly appear to change with the viewing angle.

Wide Color Enhancer 3

Wide Color Enhancer 3 maps HD or SD signals to the panel's native colour space, covering 110 percent of the HD specification, and resulting in exceptionally vibrant, yet natural-looking images.

Medi@ 2.0

A full suite of connectivity features that include:

- **Internet@TV;** a content service powered by Yahoo! Widget Engine that allows you to access Internet based multimedia content from your favourite Internet sources;
- **USB 2.0 Movie;** lets you enjoy photos, home videos and music from your camcorder, camera or PC;
- **Content Library Flash;** great for writing your own content or accessing pre-loaded content created for the whole family;
- **DLNA™ Wireless,** giving you wireless access to music, photos and movies stored in your PC, TV or mobile phone.

1920 (H) x 1080 (V) Pixel Resolution

The richest, most lifelike images are found in Samsung's 1920 x 1080 Full HD. Colours are more vibrant, the picture has more fluidity, and action sequences are more dynamic. The result is a more engaging richer viewing experience.

600 Hz Subfield Motion for smooth, natural motion picture

BD Wise

This advanced technology takes DVD Up-Conversion to the next level with Blu-ray-like video quality. Via 2-way HDMI™ communication the DVD player identifies supported Samsung HDTVs and the 2 devices automatically optimize picture settings for the highest quality DVD picture.

Game Mode

Game Mode enhances your gaming experience by providing you with smooth moving images, incredible sharpen of detail, and sound that is clear and powerful.

1080 HD Motion

1080 Full HD motion is based on the number of pixels, visible when a moving picture is displayed on the screen as opposed to the number count of a still image.

175° Viewing Angle

Anti Burn-in Technology

- Auto pixel shift (user programmable)
- Signal pattern processing function
- All White

Built in HDTV tuner with ATSC/NTSC/Clear QAM

15-Watts per Channel Built-in Speakers

Direct Down-firing Speakers

Provides better design & deeper sound creation filling your room with deeper and clearer sound levels.

SRS TruSurround HD

TruSurround is a patented SRS technology that solves the problem of playing 5.1 multichannel content over two speakers. TruSurround delivers a compelling, virtual surround sound experience through the two speaker internal playback system.

Anynet+ (HDMI CEC)

CEC Anynet+ system carries device control function between all connected HDMI audio and video devices. When you connect audio and video devices such as a Blu-ray disc player, or a Home Theatre System with an HDMI cable you can enjoy one-touch control for all with a single remote.

Side A/V Ports

Provide easy connections so you can connect a camcorder, digital camera, game console or any other digital device with no hassles.

Intelligent Power Saving

The Samsung Plasma TV is an environmentally friendly TV with a new power saving mode. "Intelligent Power Saving" is a new power saving system that lets you reduce power consumption up to a maximum of 50% when High saving mode is activated, without noticeable differences to screen brightness.

Trilingual On-screen Displays

in English, French or Spanish.

Swivel Stand and Floating Glass Stand

Eco TV Friendly

Samsung's plasmas have been completely re-engineered to use less energy—our high-efficiency panels conserve power and our ultra-slim design means fewer parts and lighter weight—resulting in Samsung plasmas receiving a new Energy Star® 3.0 efficiency standard rating. Our plasmas are also built entirely from lead-free materials.

Warranty

1 Year Parts and Labour Warranty

90 days parts and labour for commercial use, with in-home service, backed by Samsung toll-free support. 1-800-SAMSUNG.

Connections

4 HDMI™: 1 side / 3 rear

Component Video: 1 rear

Composite Inputs: 1 rear

PC Input: 1 rear

Accessories

Remote Control

Net Dimensions and Weight (W x H x D)

Monitor:	48.7" X 29.6" X 1.2"
Monitor with Stand:	48.7" x 32" x 11.4"
Net weight:	57.5 lbs.
Net weight with Stand:	71.7 lbs.

Shipping Dimensions (W x H x D)

Dimensions:	60.8" x 43.2" x 10.2"
Net Weight:	86.6 lbs.

Order Code UPC

PN50B850Y1FXZA | 036725229952

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

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

All features, specifications, and model numbers subject to change.

All on screen images are simulated pictures.

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