

# PN50A510

SERIES **5** PLASMA TV

50" Widescreen Plasma HDTV with Full HD 1080p Resolution

(49.9" (truncated) actual diagonal screen size)



## TV/Video

- FilterBright™ anti-glare technology
- ACE Silhouette Editor™
- 1,000,000:1 dynamic contrast ratio
- Powerful anti-burn-in technology
- 1920 (H) x 1080 (V) pixel resolution
- 175° (H/V) viewing angle
- Natural True Color with 18-bit color processing
- NTSC/ATSC tuners with Clear QAM reception
- Sports/Game/Movie modes (via hot key)

## Audio

- 10-watts per channel built-in audio amplifier
- Direct down-firing speaker system
- SRS TruSurround XT™

## Connections

- 2 HDMI — High Definition Multimedia Interface (2 rear)
- 2 component video inputs
- Rear A/V input
- Headphone
- RS232C
- Universal Anynet Plus (HDMI-CEC)

## Additional Features

- Swivel stand



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

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## Specifications

**FilterBright™ anti-glare technology:** Minimizes glare from ambient lighting while preserving image contrast and color saturation on Samsung plasma TVs.

**ACE Silhouette Editor™** (false contour reduction) delivers clear images without contour lines.

**1,000,000:1 dynamic contrast ratio:** A 1,000,000:1 contrast ratio provides a new level of image performance in Samsung's latest-generation plasma panels

**1920 (horizontal) x 1080 (vertical) full HDTV pixel resolution:** Presents video and text with 1080p (full HDTV) clarity and resolution.

**175° (H/V) viewing angle** for a visible picture from any angle

**Anti-burn-in Technology:** There are three modes available to reduce plasma burn-in:

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

**Built-in HDTV tuner (ATSC/NTSC) with Clear QAM reception** tunes unscrambled digital local cable channels

**DNLe™ - Samsung's Digital Natural Image engine:** This exclusive Samsung technology dramatically improves the picture by enhancing contrast, detail, and white balance while reducing noise.

**10 watts per channel built-in audio amplifier:** A powerful built-in stereo audio amplifier that drives the integrated stereo speakers

**Direct down-firing speakers** provides ample sound with space saving cabinet design

**SRS TruSurround XT™:** 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 any two-speaker playback system, including internal television speakers and headphones. It is fully compatible with all multichannel formats up to 5.1 channels.

**Natural True Color:** Samsung Plasma TVs can display Natural True Color with 18-bit processing, while a new algorithm for adjusting color balance enhances everyday TV programs and movies.

**Entertainment Mode:** Allows customized picture settings that are optimized for different TV and video program content, such as sports, movies, games, etc.

**Anynet™ Plus (HDMI-CEC):** allows peripheral AV devices such as a DVD player to be controlled by a Samsung TV remote control.

**Rear A/V port:** Provides connection for camcorders, digital cameras, or other compatible digital AV devices

**V-Chip<sup>1</sup> system:** Allows blocking of rated TV and movie programs determined by a parent to contain objectionable content.

**Power saving settings:** Off/High/Middle/Low

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

**Favorite channel list**

**Swivel Stand**

## Quality

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

**Standby power consumption under 1W**

## Connections

**HDMI – High Definition Multimedia Interface:** 2 rear

**Component video inputs (Y,Pb,Pr):** 2

**Side and rear A/V inputs**

**Headphone**

**RS232C**

## Accessories

Remote control

## Net dimensions and weight (WxHxD)

**TV:** 48.4" x 30.3" x 3.7"

**Net weight:** 82.5 lbs.

**TV with stand:** 48.4" x 32.7" x 12.6"

**Net weight:** 91.3 lbs.

## Shipping dimensions (WxHxD)

**Dimensions:** 53.3" x 37.6" x 16.9"

**Weight:** 105.8 lbs.

## Order code

PN50A510P3FXZA

## UPC

036725228665

<sup>1</sup>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.

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