

HL-S5086W

50" Widescreen DLP® HDTV with 720p Resolution



Featuring a thin bezel design that fits where others won't™, Samsung's 50" Widescreen DLP® TV delivers the ultimate HDTV experience in true 1280 x 720p resolution. You'll enjoy lifelike, razor-sharp pictures in stunning color, contrast and clarity, thanks to the ultra-fast DLP and Brilliant Color™ technology and the DLP chip from Texas Instruments. A contrast ratio of up to 2500:1 captures blacker blacks, crisper whites and images that burst into life. And the unparalleled speed of the DLP chip, with millions of tiny mirrors that switch on & off over 15,000 times per second, delivers a precise, razor-sharp picture making the HL-S5086W ideal for sports, fast-action video and gaming. Unleashing the HL-S5086W's powerful multimedia functionality are an optimized game mode, PC input, and two HDMI™ inputs. Best yet, Samsung's superior technology ensures no image burn-in effect for a reliable, long-lasting picture.

TV/Video

- DLP® TV by Samsung
- Thin bezel (.98"), depth (15.1") design—fits where others won't™
- Built-in analog/digital tuner (NTSC/ATSC)
- Samsung Cinema Smooth™ 720p light engine - single panel digital micro-mirror device (DMD) design for a crystal clear picture without any possibility of convergence errors
 - Up to 2500:1 contrast ratio with outstanding colors and deep black levels
 - Whisper-quiet operation
- Brilliant Color™ provides brightness increase in non-primary colors and boosts overall color intensity
- 1280 x 720 digital format converter for all inputs
- Samsung DNle™ video enhancement
- Samsung's Cinema Smooth™ film-mode 3:2 pull down
- No burn-in
- No screen door effect
- Slide show viewer
- Game mode

Audio

- Audio wattage—10W x 2 output
- SRS® TruSurround XT™ sound

Connections

- 2 HDMI inputs (High Definition Multimedia Interface)
- 2-component video inputs (480i/480p/720p/1080i)
- 2 A/V composite inputs and 2 S-video inputs
- USB 1.1
- PC (RGB) input



All features, specifications, and model numbers subject to change.
All on screen images are simulated pictures.
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DLP[®] tv

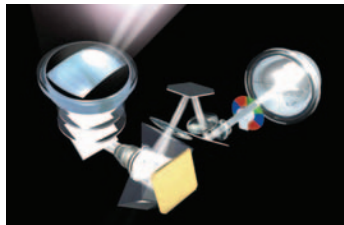
HL-S5086W 50" Widescreen DLP[®] HDTV with 720p Resolution

Integrated HDTV Tuner

with the addition of a suitable VHF antenna delivers the world of free off-air DTV and HDTV local broadcast channels.

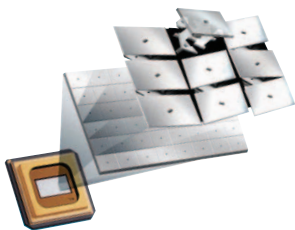
Cinema Smooth[™] Light Engine

Samsung is the worldwide leader in creating light engines that harness DLP HDTV technology from Texas Instruments. Samsung's Cinema Smooth light engine brings together the right optics, electronic circuitry and replaceable light source to create a brilliant picture that's more lifelike and much closer to film. Now in its fifth generation, Samsung's Cinema Smooth light engine delivers crisp, 720p High Definition resolution with high contrast and brightness, defined edges and sharp detail.



Cinema Smooth 720p Light Engine

Samsung's Cinema Smooth 720p light engine is the culmination of years of industry-leading research and development. It releases the maximum power of the new generation of DMD microdisplays for the most film-like picture. It creates an image with no visible pixel structure and accurate shading and better low-light detail.



Next Generation DLP Chips from Texas Instruments

DLP TV by Samsung employs a Texas Instruments DLP chip that is comprised of millions of microscopic mirrors. The DLP chip is faster than any HDTV technology, with the mirrors switching on & off 15,000 times a second to deliver a razor-sharp picture for fast moving images. When combined with Samsung's new Cinema Smooth light engine, the result is a crisp, bright picture with deep, rich colors that's closer to film.



Faster Color Wheel

Samsung's 2.6" color wheel spins at 14,400 rpm for smooth fast-motion video, and has five color segments for more accurate colors. It achieves film-like transitions and eliminates the pixel breakup found in slower color wheel designs and slower-switching LCD microdisplays. Air Bearing technology makes it whisper quiet.

DNi^e[™]



Samsung's DNi^e[™] – Digital Natural Image Engine

Samsung's exclusive Digital Natural Image engine makes the sharpest and clearest images possible, regardless of the profile of input signals. Five image processors and a six-times density enhancer ensure the best picture from any source. Now in its fourth generation, DNi^e guarantees the truest colors and highest contrast, while virtually eliminating digital artifacts.



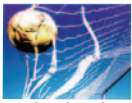
My Color Control

You can get the pink tones, the green of the grass and the blue of the sky just the way you like, without affecting the other colors on the screen. The three major colors can be adjusted to perfectly fit your taste. Self expression meets display perfection.

HL-S5086W

Cinema Mode

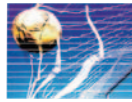
Samsung's Cinema Mode lets you see colors the way the director intended, by matching them more closely to production standards. This creates more accurate colors and natural skin tones when viewing Hollywood movies on your TV—the perfect setting when enjoying movies with the lights off.



Interlaced



Progressive Cinema



Progressive

Cinema Smooth™ Film Mode 3:2 Pull Down

Powered by Samsung's Cinema Smooth technology, 3:2 Pull Down corrects for the artificial frames created when films are converted to DVDs. The result is a clearer image without the subtle motion artifacts caused by 24-to-30 frames per second video conversion.



4:3

16:9 wide



Zoom 1

Zoom 2

Picture Format Size Adjustment

Enjoy all your 4:3 aspect-ratio programming in smooth, wide-screen without black bars. Four pre-set aspect ratio modes—Normal, Wide, Zoom 1 and Zoom 2—stretch your image to fill the screen naturally.

Color Temperature Adjustments

Cool1, Cool2, Normal Warm 1, Warm2 selectable with on-screen display.

3 Line Digital Comb Filter

dramatically reduces edge image artifacts while improving transition detail.

Previous Channel

returns to the previously viewed channel at the push of a button.

Game Mode

enhances dark areas, sharpens the picture, speeds up the image processing response and enhances the sounds of your games. Picture and sound quality optimized for the special needs of gaming systems at the touch of a button.

V-Chip¹

enables parental control for channel and program blocking of TV programs that incorporate the rating code signal.

Clock with On/Off Timer

Closed Caption displays dialog that can be read along with encoded broadcast TV programs and pre-recorded videos.

Non Volatile Memory

preserves audio, video and menu settings during power outages.

Auto Volume Leveler

keeps audio volume consistent during channel changing to minimize static sound bursts.

Discrete IR Codes

This set is equipped with discrete IR codes for use with a macro/programmable remote (see owners manual for details).

Universal Remote Control

permits control of the TV, DVD, VCR and a Tuner/Receiver.



HDMI (High-Definition Multimedia Interface)

addresses both pure digital audio and video performance and simplifies connections from the new generation set-top boxes and DVD players by reducing cable connections to one cable and plug.



DTV and DVD Compatible Connect

your DVD and DTV sources with two smart component video (Y/Pb/Pr) inputs that accept 480p/720p/1080i signals.



PC

A Samsung DLP TV can also function as a high-quality WXGA PC monitor.

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Specifications

VIDEO

Display Device: Single digital micro mirror device

Pixel Count: 1280 horizontal x 720 vertical

Color Wheel: 55 mm/5 segment

Resolution: 720p

Contrast ratio: 2500:1

Channel Coverage: VHF 2-13, UHF 14-69, CATV 1-125 (up to 181 pre-selected channels), ATSC 1-69

AUDIO

Output Power: 10Wx2

Speakers: 2

Sound Mode: 5 modes

MTS Stereo

Connections

ANALOG VIDEO

RF In: 1 Rear

AV In: 2 Rear

S-Video input: 2 Rear

Monitor & Sound Out: 1 Rear

Component video input (Y/Pb/Pr): 2 Rear

PC (RGB) input: 1 Rear

PC Audio input: 1 Rear

HDMI input: 2 Rear

Front/side Composite: 1

USB: 1 Front

HDMI Inputs: 2

DIGITAL

HDMI: 2 Rear (Digital Audio & Video)

Quality

Warranty: 1 year parts and labor warranty, including lamp, with in-home service backed by Samsung toll-free support.

1-800-SAMSUNG

Lamp Life: ~ 5,000 hours (132 Watts)

Accessories

Remote control

User Manual

Net dimensions and weight (WxHxD)

Monitor: 45.4" x 32.3" x 15.6"

Monitor weight: 62.8 lbs.

Shipping dimensions (WxHxD)

Carton: 50.0" x 37.6 x 19.7"

Carton weight: 78.3

Order code

HLS5086WX/XAA

UPC

036725250864

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/dtvguide