

DLP™ TV

HL-P5685W

56" Widescreen HDTV Monitor Television with DLP™ Technology



Remote Control

SPECIFICATIONS

VIDEO

Display Device: Single 0.8 inch Digital Micro-Mirror Device

Pixel Count: 1280 horizontal x 720 Vertical

7 Segment Color Wheel: 10,800 RPM

Film Mode: powered by Genesis™ Microchip (www.gnss.com)

Contrast Ratio: 2500:1

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

AUDIO

Output Power: 2 Channels x 15 Watts

Speaker System: 2 Way x 2 (left & right)

MTS Stereo

CONNECTIONS

VIDEO TERMINALS

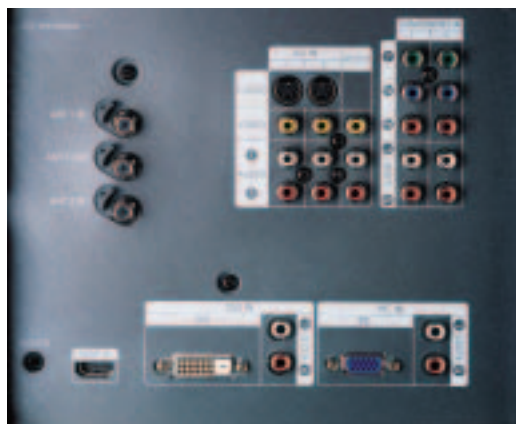
Composite Video In: 2 Rear

S-Video In: 2 Rear

RF In: 2 Rear (ANT 1 and 2)

RF Out: 1 Rear

Video Out: 1 Rear (Composite Video)



Rear Jack Panel

HDTV/DTV Component Video

Input: 2 (Y, Pb, Pr) 480i, 480p, 720p, 1080i

DVI Input: 1 Rear (Digital Video)

HDMI: 1 Rear (Digital Audio & Video)

PC Input: 1 Rear (D-Sub 15pin)

AUDIO TERMINALS

PC Audio L/R Input: 1 Set (Rear)

DVI Audio L/R Input: 1 Set (Rear)

Analog L/R Input: 4 Sets (Rear)

Analog L/R Output: 1 Set (Rear)

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 - 8,000 hours

SUPPLIED ACCESSORIES

Instruction Book

Remote Control with 2 AAA Batteries

NET DIMENSIONS AND WEIGHT (WxHxD)

Monitor: 58.7" x 58.3" x 21.9"

Monitor Weight: 134.5 lbs.

SHIPPING INFORMATION (WxHxD)

Carton: 63.8" x 68.5" x 27.2"

Carton Weight: 185.2 lbs.

ORDER INFORMATION

UPC: 036725243781

Order Code: HLP5685WX/XAA

OPTIONAL STAND: (WxHxD) TR85

Net Dimensions: 59.6" x 21.8" x 20.2"

Net Weight: 75 lbs.

Shipping Dimensions:

59" x 9" x 26"

Shipping Weight: 82 lbs.

UPC: 036725200852

Order Code: TR85X/XAA

*Feature dependent upon broadcasting of information by local off-air TV and cable channels. SRS TruSurround XT is a registered trademark of Dolby Laboratories. DLP, Digital Light Processing and the DLP Medallion are trademarks of Texas Instruments. Genesis is a registered trademark of Genesis Microchip Inc. 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. All brand, product, service names and logos are trademarks of their respective manufacturers and companies.

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For more information on digital TV technology please visit www.samsungusa.com/dtvguide

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HL-P5685W

56" Widescreen HDTV Monitor
Television with DLP™ Technology

DLP™ TV



Optional Stand TR85

TV/VIDEO

- DLP™ TV (Digital Light Processing)
 - Unique Pedestal Light-Weight Design – Fits Where Other Won't
 - Net dimensions: 58.7"(W) x 58.3"(H) x 21.9"(D), Weight: 134.5 lbs.
- Samsung Cinema Smooth™ Gen 4 HD Fourth Generation Light Engine
 - Single Panel Digital Micro-Mirror Device (DMD) Design for a Crystal Clear Picture Without Any Possibility of Convergence Errors
 - High Output 0.8" DLP™ Technology by Texas Instruments
 - Smooth Film-Like Images
 - 2500:1 Contrast Ratio with Outstanding Color and Deep Black Levels
 - Enhanced Low Light Scene Detail Performance
 - 30% Quieter Operation (48db)
- Samsung's Latest Generation DNie™ Video Enhancer
- Samsung's Cinema Smooth™ Film-Mode 3:2 Pull Down Powered by Genesis™
- 1280 x 720 Digital Format Converter for All Inputs
- HDTV Performance with Add-On HD Receiver
- New HDMI and DVI Inputs for True Digital Performance
- No Screen Aging or Burn-In Effects for Worry-Free Enjoyment

AUDIO

- 30-Watt Stereo Audio System with SRS TruSurround XT™

DIGITAL CONNECTIONS

- DVI HDTV input (Digital Visual Interface)
- HDMI input (High Definition Multimedia Interface)
- 2-Component Video Inputs (480i/480P/720P/1080i)



Simulated TV Picture

All features, specifications, model numbers subject to change.

Samsung introduces a new DLP™ TV that is guaranteed to catch your eye whether it's on or off. The new HL-P5685W combines award winning styling with award winning high definition performance. Experiencing the 56 inches of inviting widescreen viewing area is the only distraction that will draw you away from its unique floor standing pedestal styling. Samsung's 85-Series represents our 4th generation optics and advancements in picture performance. The secret to this design and engineering marvel – a vertically mounted compact digital projector powered by an advanced EMMY winning Digital Micro-Mirror Device (DMD) technology by Texas Instruments. The latest enhancements in DMD technology combined with Samsung's proprietary Cinema Smooth™ Gen 4 HD optical engine – experiencing film-like video images with more color depth and true black levels will captivate the most discerning video enthusiasts and those who are looking for the best. Equipped with a host of advanced digital interfaces and video inputs make connectivity challenges and future proofing a non-issue. The Samsung Pedestal series DLP™ TVs is designed to meet a level of expectation where others simply don't.



HL-P5685W

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TV / VIDEO FEATURES

Widescreen Aspect Ratio is the ideal screen format for viewing widescreen video from DVD players and the growing availability of broadcast programming off digital HDTV tuners, cable boxes and satellite receivers.

Samsung Cinema Smooth™ Gen 4 HD projection technology is Samsung's 4th generation Digital Light Processing engine. Samsung's high-performance Gen 4 HD projector is using Texas Instruments' latest generation .8 inch micro-display. The faster switching speeds are double the previous DLP micro-display design and approximately 1,000 times faster than competing micro-display technology. Combine Samsung's low color aberration spec of optics, advanced video processing and sequential color filter refinements, the result is a stunningly clear picture with outstanding color, an extended contrast ratio of 2500:1 and a smooth handling of action video.

DLP™ Projection System DLP™ (Digital Light Processing) technology by Texas Instruments is the only display solution that enables projection systems to create a purely digital connection between a digital video or graphic source and the screen in front of you. While all other technologies are analog and compromise some image quality in translation, DLP™ projection unleashes the full potential of high quality video content.

Samsung DNle™ Video Enhancer or Digital Natural Image engine, enhances all analog NTSC and wideband video inputs for an overall improvement in picture quality. DNle™ by Samsung improves contrast, white level, picture detail and incorporates a digital noise reduction to improve lower quality video.

Automatic Digital Format Conversion System is compatible with 1080i and 720P HDTV formats, 480P and 480i SDTV formats. Samsung digital format conversion system will accept any DTV, Analog TV, or XGA computer RGB input. All video signals are converted to a 16x9 widescreen pixel count (1280 x 720 resolution) progressive display.

3rd Generation DMD Chip offers the latest performance enhancement. Texas Instrument's latest micro-display panel. Combined with Samsung's advanced light processing optics, the result is an overall stunning picture quality that is clear, bright and with outstanding contrast. Samsung's HDTV monitor televisions based on

DLP™ TV



DLP™ technology will deliver a stunning picture quality that rivals any other display technology available today. On reliability, the Texas Instrument DMD panel is immune to the factors that can cause the performance of other display technologies - such as cathode ray tubes (CRT), plasma display panels (PDP), liquid crystal display systems (LCD, LCoS, HTPS), and film to deteriorate with ongoing use. The DLP™ panel is unsusceptible to the damaging effects of heat, humidity, vibration, and aging. Projection systems using DLP™ technology enable you to see the creator's original vision at full impact again and again, no matter how many times a video or graphic has been projected.

Single DMD Panel Design displays a bright clear high-definition picture without annoying focus, color aberrations and any possible convergence artifacts seen in display designs that incorporate multiple micro-display panels or multiple CRT's.

Samsung's Cinema Smooth™ Film Mode 3:2 Pull Down correction circuitry senses motion found in unconverted 480i DVD video based on 24 fps film productions. Especially important when converting to a progressive video image, the result is an elimination of visible motion artifacts. This feature is by-passed on 480P, 720P and 1080i inputs.

3D Y/C Digital Comb Filter dramatically reduces edge image artifacts while improving transition detail.

2-Tuner PIP With Side-By-Side Split Screen enables convenient simultaneous viewing of two TV programs on the TV screen.

New Brighter HD Ultra-Fine Pitch Screen (.155mm) further improves picture clarity especially when viewing higher definition video sources like DVD and HDTV. Text and fine details will appear sharper.

AUDIO

30-Watt Stereo Audio System and two way speaker system offers full range of high quality audio.

SRS TruSurround XT™ 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 6.1 channels.

CONVENIENCE FEATURES

Audio Mode Preset button on the set's remote

enables 5 different modes for sports, movies, music, speech and custom settings.

Picture Format Size Adjustment can be programmed by video input for satisfying viewing choice. The ASPECT button on the remote control toggles the set's 5 options - Zoom 1, Zoom 2, Wide, Panorama and Normal Format. The TV will retain the last setting for each individual input.

Picture Mode Preset button on the set's remote enables 3 different video adjustments - standard, cinema, and dynamic settings. Note that the dynamic setting is intended for bright Dealer showrooms. The TV will retain the last setting for each individual input.

New Cinema Picture Mode combined with warm 2 setting achieves a correct color temperature that closely matches production standards. Ideal for watching movies in dark rooms or low light.

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

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

Trilingual On-Screen Displays in English, Spanish, and French.

V-Chip¹ enables parental control for channel and program blocking of TV programs that incorporate the rating code signal.

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

CONNECTIONS

DVI-HDTV Interface with HDCP copy protection enables an all-digital rendering of video without the losses associated with an analog interface. High-Bandwidth Digital Content Protection (HDCP) opens the world of digital video content via the new generation of set-top box HD satellite, cable and off-air receivers and also including DVD players.

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.

Dual HDTV Component Video Inputs accommodate HD satellite receivers, HDTV tuners and HD cable boxes that feature component video outputs (Y, Pb, Pr). These inputs accept 480i, 480P, 720P and 1080i.