

HL50A650

SERIES **6** DLP TV

50" Widescreen DLP® HDTV with 1080p Resolution



Samsung delivers brilliant full 1080p HD in an energy-efficient design. A 50-inch DLP® screen is housed in a sleek “Piano Key Black” cabinet, with a slim depth that fits where others won’t.™ Samsung’s Cinema Smooth™ 120Hz Light Engine offers smooth, film-like images. Select Game mode for advanced gaming action. Amazing 3D capabilities let you enjoy HD Blu-ray, 3D movies and games to the fullest. Maximize picture and audio performance and minimize wires and cables by connecting your HD cables to satellite video components with the 3 HDMI™ inputs. And the Wiselink USB 2.0 input lets you connect your digital camera or MP3 player, for quick access to pictures and playlists from your remote control.

SLIM DLP®

TV/Video

- “Piano Key Black” cabinet
- Slim depth and slim bezel (0.6") – fits where others won’t™
- Samsung Cinema Smooth™ 120Hz light engine:
 - Full HD 1920 x 1080p performance featuring digital format converter for all inputs
 - Single-panel DLP® design—crystal-clear picture without any possibility of convergence errors
 - Smooth, high detail, film-like images for an inviting picture experience
- Analog and full digital NTSC/ATSC Tuners with Clear QAM (local channel, digital cable tuning capabilities)
- Energy Star® Compliant (0.8 Watt standby)
- Single user interface for easy menu navigation
- Entertainment mode custom picture settings
- 3D HD ready—Future-proof your HD experience

Audio

- Watts per channel: 10W x 2
- SRS TruSurround XT™
- Hidden speaker system (DACST™)

Connections

- 3 HDMI inputs
 - 480p/720p/1080i/1080p (60Hz/30Hz/24Hz) input support
 - HDMI with universal CEC system control
 - Simplay certified for cross component compatibility
- 2-component video inputs (480i/480p/720p/1080i/1080p)
- 1 S-video input
- 2 A/V composite inputs
- Wiselink® USB 2.0
- PC (RGB/HDMI) input with 1080p Input Support
- RS232C interface for system control

Options

- Floor stand: TR500X3B



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Features

Cinema Smooth™ 120Hz 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. In its latest evolution, Samsung's Cinema Smooth light engine delivers crisp, 1080p High Definition resolution with high contrast and brightness, defined edges and sharp detail.

Next Generation DLP® Chips from Texas Instruments
Samsung employs a Texas Instruments DLP® chip that is comprised of millions of microscopic mirrors. The DLP® chip is faster than any other 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 120Hz light engine, the result is a crisp, bright picture with deep, rich colors that's closer to film.

3D HD ready. Samsung DLP® HDTVs are capable of displaying future 3D games, movies, and other programming via 3D compatible glasses and hardware.

DNle™ The Samsung Digital Natural Image engine. This exclusive Samsung technology dramatically improves the picture by enhancing the contrast, detail, white balance and reduces noise.

Analog and full digital ATSC/NTSC tuners with Clear QAM
Built-in tuners will display off air and unscrambled local digital cable channels.

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.

Entertainment Mode allows customized picture settings, optimized for different content (e.g., sports, movies, gaming).

HDMI - CEC allows peripheral devices such as a DVD player to be controlled by TV remote control.

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

Single user interface for easy menu surfing.

Specifications

VIDEO

Resolution: 1080p

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: Hidden with DACS™

Sound effect system: TruSurround XT™

MTS stereo

Connections

AV Composite inputs: 2

S-Video input: 1

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

Wiselink® USB 2.0: 1

PC (RGB) input

RS232C interface for system control

HDMI: 3

Quality

Warranty: 1 year parts and labor warranty, including lamp, with in-home service backed by Samsung toll-free support. 1-800-SAMSUNG

Energy Star® Compliant reduces energy consumption by up to 25% compared with standard TVs.²

Accessories

Universal Remote Control

Net dimensions and weight (WxHxD)

TV (w/o foot): 45.2" x 31.8" x 12.8"

TV weight: 55.8 lbs.

TV (w/ foot): 45.2" x 31.8" x 13.4"

Shipping dimensions and weight (WxHxD)

Carton: 49.6" x 36.8" x 17.4"

Carton weight: 71.2 lbs.

Optional stand: (WxHxD) TR500X3B

Net dimensions: 45.5/50.75" x 19.69" x 17.94"

Net weight: 76.3 lbs.

UPC: 03672529619

Order code

HL50A650C1FXZA

UPC

036725228498

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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For more information on digital TV technology please visit www.samsung.com/hd