

HL56A650

SERIES **6** DLP TV

56" Widescreen DLP® HDTV with 1080p Resolution



Samsung delivers brilliant full 1080p HD in an energy-efficient design. A 56-inch DLP® screen is housed in a sleek “piano black” cabinet, with a slim depth that fits where others won’t.™ Samsung’s Cinema Smooth™ Light Engine offers smooth, film-like images. Select Game mode for advanced gaming action. Amazing 3D capabilities let you enjoy 3D movies and games to the fullest. Connecting all your other electronics and devices is easy with 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.

TV/Video

- Slim bezel (0.6"), “piano black” cabinet
- Slim depth – fits where others won’t™
- Samsung Cinema Smooth™ 1080p light engine:
 - Full HD 1920 x 1080p digital format converter for all inputs
 - Single-panel DLP® design—crystal-clear picture without any possibility of convergence errors
 - Smooth, film-like images and ultra-quiet operation
- Analog and full digital NTSC/ATSC Tuners with Clear QAM (digital cable)
- Energy Star® Compliant (0.8 Watt standby)
- Single user interface for easy menu surfing
- Entertainment mode
- 3D 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
- 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

SLIM DLP®



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Features

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 sixth year of 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 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.

DNie™ 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

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

DISPLAY PERFORMANCE

Video display rate: TBD

Response time: TBD

VIDEO

Display device: TBD

Pixel count: TBD

Color wheel: TBD

Resolution: 1080p

Contrast ratio: TBD

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

POWER

Voltage, Line frequency: TBD

Power consumption: TBD

Standby power consumption: TBD

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): 50.4" x 34.9" x 13.4"

TV weight: 60.6 lbs.

TV (w/ foot): 50.4" x 34.9" x 14.0"

Shipping dimensions and weight (WxHxD)

Carton: 55.1" x 39.9" x 18.5"

Carton weight: 80.5 lbs.

Optional stand: (WxHxD) TR500X3B

Net dimensions:

45.5/50.75" x 19.69" x 17.94"

Net weight: 76.3 lbs.

Shipping dimensions: TBD

Shipping weight: TBD lbs.

UPC: 03672529619

Order code: TBD

Order code

HL56A650C1FXZA

UPC

036725228023

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/dtvguide