

LN46B640 46" High Definition TV with 1080p Resolution (45.9" (truncated) actual diagonal screen size)

SERIES **6** LCD TV



With Samsung's LN46B640, you're connected to great HD entertainment and up-to-the-minute online info. Enjoy a Full HD feast for the eyes, courtesy of the 1080p resolution and 46-inch LCD screen. Check sports scores, stock quotes, weather and other updateable RSS content at just the touch of a button on your remote, with the InfoLink™ feature. Samsung's Auto Motion Plus™120Hz technology keeps even the fastest on-screen motion smooth and natural. Enjoy bold black tones with an impressive 80,000:1 dynamic contrast ratio. Four HDMI inputs give you fast and easy connection options for your Blu-ray Disc® player and gaming system. And the stylish yet subtle Touch of Color™ design adds a gray accent to the bezel's border – perfect in any modern home.

TV/VIDEO

- Touch of Color™ design
- Full HD-grade pixel resolution (1080p)
- InfoLink™ (RSS feeds of customizable stock quotes, weather and brief news articles)
- Auto Motion Plus™120Hz
- Wide Color Enhancer 3
- Widescreen aspect ratio
- 80,000:1 dynamic contrast ratio
- Built-in digital tuner
- Fast 4ms response time
- Picture-in-Picture
- Game Mode
- Ultra Clear Panel
- Single User Interface
- Crystal Neck Swivel Stand

AUDIO

- Watts per channel: 10W x 2
- SRS TruSurround HD™

CONNECTIONS

- 4 HDMI – Anynet+ (HDMI-CEC)
(3 rear/1 side)
- USB 2.0 Movie (2 side)
- 2 Component video inputs (rear)
- 2 Composite inputs (1 rear/1 side)
- PC input (rear)
- Ethernet



LN46B640 46" High Definition TV with 1080p Resolution (45.9" (truncated) actual diagonal screen size)

SERIES **6** LCD TV

FEATURES

HD-Grade 1920 (H) x 1080 (V) pixel resolution:

High-resolution pixel density is combined with a built-in image scaler to handle inputs from a variety of digital and analog audio/video sources.

Widescreen aspect ratio

CCFL—Cold Cathode Fluorescent lamp
80,000:1 dynamic contrast ratio

Ultra Clear Panel: Advanced LCD technology lets you enjoy crisp image details, natural skin tones, excellent shadow detail, and vibrant colors.

Auto Motion Plus™120Hz: Advanced processing that reduces blur and enhances image detail when viewing fast motion video sequences.

Touch of Color™ (ToC): Samsung's unique manufacturing process accents the surrounding bezel with a stylish gray tone

InfoLink™: Provides RSS feeds of customizable stock quotes, weather, and brief news articles on selected Samsung TVs.

USB 2.0 Movie: For playing MP3 and displaying JPEG/MPEG files through the USB 2.0 connection on selected Samsung TVs.

Wide Color Enhancer 3: Optimizes a given color's hue, resulting in more natural rendering of colors.

Built-in digital tuner: (ATSC/Clear QAM)

Response time: A fast 4ms response time minimizes blurring of fast motion in sports programs.

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.

Picture-in-Picture (PIP): Enables convenient, simultaneous viewing of TV programs and video or PC content sources.

Single User Interface

SRS TruSurround HD™ creates an immersive, feature-rich surround sound experience from two speakers, complete with rich bass, high frequency detail and clear dialog.

Stereo broadcast reception: Supports multichannel sound (MTS) and second audio program (SAP) with 181-channel capacity.

Bottom speakers with 10 Watts x 2 audio power

Anynet™+ (HDMI-CEC): allows the TV's remote control to operate at the push of one button, peripheral AV devices such as a DVD player featuring HDMI-CEC.

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

V-Chip system¹: Allows blocking of rated TV and Movie programs determined by a parent to contain objectionable content.

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

Variable sleep timer: Can be programmed to turn the TV off at different time intervals.

Crystal Neck Swivel stand

CONNECTIONS

4 HDMI (High-Definition Multimedia Interface) version 1.3: (3 rear/1 side)

Component video: 2 rear (Y, Pb, Pr)

Composite inputs: 1 rear/1 side (shared with component)

USB 2.0 Movie: 2 (side)

PC input: 1 rear

Optical sound output: 1 rear

Ethernet: 1 (rear)

RS232C

HDMI-CEC

WARRANTY

1 year parts and 1 year labor warranty (90 days parts and labor for commercial use), with in home service, backed by Samsung toll-free support.

SPECIFICATIONS

Panel: Wide (16:9) LCD

TV system: American NTSC standard color

Channel coverage: VHF 2-13, UHF 14-69,

CATV 1-125 (up to 181 pre-selected channels)

Antenna: CATV/VHF/UHF 75-ohm, F-type

Watts per channel: 10 Watts x 2

NET DIMENSIONS & WEIGHT (WXHXD)

TV without stand: 46.1" x 30.4" x 3.1"

TV without stand weight: 44.8 lbs

TV with stand: 46.1" x 30.4" x 10.8"

TV with stand weight: 55.3 lbs.

SHIPPING INFORMATION (WXHXD)

Dimensions: 56.7" x 32.3" x 10.2"

Weight: 66.8 lbs.

ORDER CODE

LN46B640R3FXZA

UPC

036725229570

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.

HDMI, the HDMI logo and High Definition Multimedia Interface are trademarks or registered trademarks of HDMI Licensing LLC.

SRS TruSurround HD is a registered trademark of SRS Labs, Inc.

Anynet+ is a trademark of Samsung Electronics Co., Ltd.

©2009 Samsung Electronics America, Inc. All rights reserved. Samsung is a registered trademark of Samsung Electronics Co., Ltd. All product and brand names are trademarks or registered trademarks of their respective companies.

209-SS Printed in USA.