

# LN52A650

SERIES **6** LCD TV

52" Full High Definition TV with 1080p Resolution



Samsung presents innovative HD design and performance on a brilliant 52-inch LCD screen. Samsung's exclusive Touch of Color™ design accents the top and bottom edges of the bezel with a unique amber tone. Full 1080p HD resolution and 50,000:1 dynamic contrast ratio offer stunning image detail and vivid colors. Auto Motion Plus 120Hz™ and Ultra Clear Panel technology work together to offer the smoothest motion and boldest bright and dark tones. Stay connected to the web via the InfoLink RSS feature, with content provided by USA Today. And the WiseLink USB 2.0 input and user-friendly interface gives you access to pictures and playlists from a specially designed Wheel Remote.

## TV/Video

- Touch of Color design
- Infolink™ (RSS feeds of customizable stock quotes, weather and brief news articles)
- Auto Motion Plus 120Hz™
- 1920 (H) x 1080 (V) HD pixel resolution
- 50,000:1 dynamic contrast ratio
- Wide color enhancer
- Fast 4ms response time
- Widescreen aspect ratio
- NTSC/ATSC Tuners with Clear QAM
- Ultra clear panel
- Auto volume leveler
- Entertainment mode
- Smart user interface
- Wheel key
- Auto Wall-Mount compatible

## Audio

- Watts per channel: 10W x 2
- SRS TruSurround XT™
- Down firing speakers
- Sound leveler

## Connections

- 4 HDMI — High Definition Multimedia Interface version 1.3 (3 rear/1 side)
- 2 Component video inputs
- S-video inputs (1 side)
- Side and Rear A/V inputs
- PC input (rear)
- Wiselink® (USB 2.0)
- RF antenna inputs
- Headphone
- HDMI-CEC
- Swivel stand



OFFICIAL HDTV OF THE NFL

All features, specifications, and model numbers subject to change.  
All on screen images are simulated pictures.

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52" Full High Definition TV with 1080p Resolution

## Features

**HD-Grade 1920 (H) x 1080 (V) pixel resolution:** High resolution pixel density with 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:** Provides colors in your picture that were not available before.

**50,000:1 contrast ratio/500nit brightness:** As two of the most important determining factors in overall picture quality, contrast and brightness levels achieve new heights in this latest generation LCD panel. Samsung's new LCD TV's give the most stunning realistic picture quality ever from a flat panel set.

**Ultra clear panel** enhances contrast and reduces reflection.

**Auto Motion Plus 120Hz™**

**Touch of Color design**

**Wheel key remote control**

**Infolink™** (RSS feeds of customizable stock quotes, weather and brief news articles)

**Wide Color Enhancer** optimizes a color's hue resulting in more natural colors.

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

**Response time:** Fast 4ms response time minimizes blurring of moving video.

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

**Picture-in-Picture (PIP)** enables convenient simultaneous viewing of TV programs and video or PC sources.

**178° x 178° (H/V) viewing angle**

**Smart User Interface**

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

**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.

**Stereo broadcast reception:** (MTS & SAP) with 181-channel capacity.

**Down firing speakers**

**Sound leveler** keeps audio volume consistent during channel changing.

**V-Chip system<sup>1</sup>** allows blocking of rated TV and movie programs determined by the parent to contain objectionable content.

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

**Variable sleep timer** to turn the TV off in varying time intervals.

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

**Auto wall mount compatible:** 3-dimensional operation via TV's remote control; no external IR receiver required.

**Swivel stand**

## Connections

**4 HDMI** (High-Definition Multimedia Interface) 3 rear/1 side

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

**S-Video input:** 1 rear

**A/V inputs:** 1 side/1 rear

**PC input:** 1

**Wiselink® (USB 2.0)**

**RF antenna inputs:** 2

**Headphone jack**

## 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:** 10W x 2

## SERIES **6** LCD TV

## Net dimensions and weight (WxHxD)

**TV without stand:** 50.2" x 31.7" x 4.1"

**TV without stand weight:** 64.6 lbs.

**TV with stand:** 50.2" x 34.1" x 12.8"

**TV with stand weight:** 76.7 lbs.

## Shipping information (WxHxD)

**Dimensions:** 54.8" x 39.3" x 16.7"

**Weight:** 97.4 lbs.

## Order code

**Order code:** LN52A650A1FXZA

## UPC

036725228221

<sup>1</sup>Feature dependent upon broadcasting of information by local off-air TV and cable channels.

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