

# LN-T4681F

46" 1080p HDTV with Integrated ATSC Tuner



For those who are ready for the clearest, brightest LCD picture on the market today, Samsung presents the LN-T4681F. Full 1080p resolution is just the beginning: Samsung's incredible LED Motion Plus™ technology reduces motion blur for crisp, precise action. Samsung's SmartLighting™ technology allows for an amazing 500,000:1 dynamic contrast ratio, and ultra-sharp blacks. The LED backlight also provides more natural color representation. A fast 8ms response time ensures smooth, lifelike motion. SRS TruSurround XT™ sound from hidden side speakers is enhanced by the premium audio sound of 2.2 channel dome speakers. Enjoy connectivity with all your other digital devices, with 3 HDMI version 1.3 ports and a full complement of inputs. And the handy HDMI-CEC feature lets you control all your CEC-enabled peripherals using just one remote.

## TV/Video

- HD-grade 1920(H) x 1080(V) pixel resolution
- Widescreen aspect ratio
- LED Motion Plus™
- Super clear panel
- Wide Color Gamut LED backlight
- 10 bit processing
- 500,000:1 dynamic contrast ratio with LED SmartLighting™
- Wide color enhancer
- Built-in digital tuner (ATSC/Clear QAM)
- Fast 8ms response time
- Picture-in-Picture

## Audio

- Watts per channel: 10W x 2
- SRS TruSurround XT™
- "Hidden" side speakers
- Sound leveler
- Premium Audio with dedicated low-range speakers

## Connections

- 3 HDMI — High Definition Multimedia Interface version 1.3 (2 rear/1 side)
- 2 Component video inputs
- 2 S-video inputs (1 side/1 rear)
- Side and Rear A/V inputs
- PC input
- USB 2.0
- RF antenna inputs
- Swivel stand
- HDMI-CEC
- RS-232C compatibility



OFFICIAL HDTV OF THE NFL

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

# LN-T4681F

46" 1080p HDTV with Integrated ATSC Tuner

## Features

### Widescreen Aspect Ratio

**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.

### LED Motion Plus™

#### Super clear panel

**Wide Color Gamut CCFL (Cold Cathode Fluorescent Lamp):** Provides colors in your picture that were not available before.

### Wide Color Enhancer

optimizes a color's hue resulting in more natural colors.

**178°(H)/178°(V) viewing angle** improves viewing angle, contrast, and brightness to provide an even better picture.

### 10 bit processor

**500,000:1 contrast ratio/550nit 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.

### Wide Viewing Angle Panel

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

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

**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.

**Response time:** Fast 8ms response time minimizes blurring of moving video.

**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.

**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.

**"Hidden" side built-in speakers** with 10 Watts x 2 Audio Power

**Low-range speaker** on back cabinet enhances acoustic performance

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

**Side A/V ports** provides easy connections so you can connect a camcorder, digital camera, or any other digital device with no hassles.

**Removable stand and VESA compatible hole mounts:** If you want to install your TV on your wall, you can easily remove the stand and use a VESA compatible wall mount to safely and stylishly attach your TV to the wall.

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

**Swivel stand**

## Connections

**HDMI (High-Definition Multimedia Interface):** 3 (version 1.3)

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

**S-Video input:** 1 side/1 rear

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

**PC input:** 1

**RF antenna inputs:** 2

**RS-232C Connections**

**USB 2.0**

**HDMI-CEC**

**Premium audio:** Improved sound quality with dedicated low-range speaker system

**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/UFH 75-ohm, F-type

**Watts per channel:** 10W x 2

## Net dimensions and weight (WxHxD)

**TV without stand:** 48.3" x 27.0" x 4.4"

**TV without stand weight:** 67.5 lbs.

**TV with stand:** 48.3" x 29.6" x 12.6"

**TV with stand weight:** 76.9 lbs.

## Shipping information (WxHxD)

**Dimensions:** 53.0" x 34.5" x 16.7"

**Weight:** 93.3 lbs.

## Order code

**Order code:** LNT4681FX/XAA

## UPC

**UPC:** 036725246850

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

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