



Philips  
LED monitor with TV  
tuner

T-line  
18.5" / 47 cm

190TS2LB

## Great TV entertainment on your LED monitor

Experience great movies with your LED HD TV monitor. Combined with two HDMI and various AV inputs, stereo audio and modern touch controls, the 190TS2 is ready to entertain you!

### **Best picture quality**

- HD Ready for the highest quality display of HD signals
- LED technology ensures natural colors
- SmartContrast 20000000:1 for incredible rich black details

### **Experience true multimedia**

- HDMI-ready for top quality, multimedia experience
- Incredible Surround for enhanced audio enjoyment

### **Great convenience**

- Modern Touch controls
- Built-in TV tuner for viewing TV programs on your PC monitor
- SmartSound selects a perfect mode for audio performance
- Dual input accepts both analog VGA and digital HDMI signals
- SmartImage: Optimized user-friendly display experience

# PHILIPS

# Highlights

## LED technology

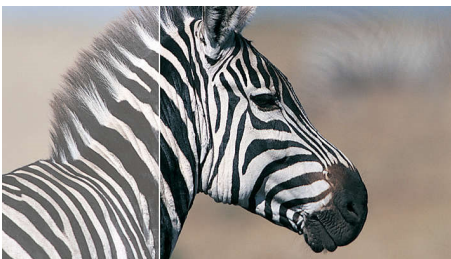
White LED's are solid state devices which light up to full, consistent brightness faster saving startup time. LED's are free from mercury content which allows for eco-friendly recycling and disposal process. LED's allow for better dimming control of LCD backlight, resulting in super high contrast ratio. It also gives superior color reproduction thanks to consistent brightness across the screen.

## HD Ready



Enjoy the exceptional picture quality of High Definition pictures and be fully prepared for HD sources like HDTV settop box or Blu-ray disc. HD Ready is a protected label that offers picture quality beyond that of progressive scan. It conforms to strict standards laid out by EICTA to offer a HD screen that displays the benefits of resolution and picture quality of a High Definition signal. It has a universal connection for both analog YPbPr and uncompressed Digital connection of DVI or HDMI, supporting HDCP. It can display 720p, and 1080i signals at 50 and 60Hz.

## SmartContrast ratio 2000000:1



You want the LCD flat display with the highest contrast and most vibrant images. Philips advanced video processing combined with unique extreme dimming and backlight boosting technology results in vibrant images. SmartContrast will increase the contrast with excellent blacklevel and accurate rendition of

dark shades and colors. It gives a bright, lifelike picture with high contrast and vibrant colors.

## Built-in TV tuner

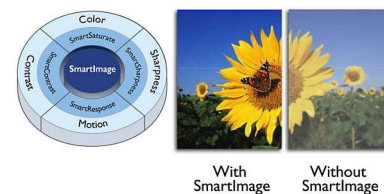
A television tuner built into a monitor to display television signals as well as computer data.

## Incredible Surround



Incredible Surround is an audio technology from Philips that dramatically magnifies the sound field to immerse you in the audio. Using state-of-the-art electronic phase shifting, Incredible Surround mixes sounds from left and right in such a way that it expands the virtual distance between the two speakers. This wider spread greatly enhances the stereo effect and creates a more natural sound dimension. Incredible Surround allows you to experience total surround with greater depth and width of sound, without the use of additional speakers.

## SmartImage



SmartImage is an exclusive leading edge Philips technology that analyzes the content displayed on your screen and gives you optimized display performance. This user friendly interface allows you to select various modes like Office, Image, Entertainment, Economy etc., to fit the application in use. Based on the selection, SmartImage dynamically optimizes the contrast, color saturation and sharpness of images and videos for ultimate display

performance. The Economy mode option offers you major power savings. All in real time with the press of a single button!

## HDMI Ready



HDMI-ready

An HDMI-ready device has all the required hardware to accept High-Definition Multimedia Interface (HDMI) input. A HDMI cable enables high-quality digital video and audio all transmitted over a single cable from a PC or any number of AV sources (including set-top boxes, DVD players, A/V receivers and video cameras).

## Touch controls



Touch controls are intelligent, touch sensitive icons that replace protruding buttons that lets the user adjust the monitor to their requirement. Responding to your lightest touch, Touch control gives the monitor a modern feel.

## Dual input

Dual input accepts both analog VGA and digital HDMI signals

## SmartSound

SmartSound allows you to select various modes like Movie, Games, Music etc thereby automatically activating pre defined frequencies to enhance the sound related to the function



# Specifications

## Connectivity

- Other connections: HDMI, PC-In VGA, PC Audio in
- AV IN: Video in, Audio L/R in
- AV IN (@ side): Video in, Audio L/R in
- AV OUT: Video out, Video L/R out
- CV IN: YpbPr, Audio L/R in
- Other connections (@ side): Headphone out, S-Video in, HDMI

## Picture/Display

- Diagonal screen size (metric): 47 cm
- Diagonal screen size (inch): 18.5 inch
- Aspect ratio: 16:9, Widescreen
- LCD panel type: TFT-LCD (TN)
- Backlight type: W-LED system
- Panel resolution: 1366 x 768
- Brightness: 250 cd/m<sup>2</sup>
- SmartContrast: 20000000:1
- Response time (typical): 5 ms
- Viewing angle: 170° (H) / 160° (V), @ C/R &gt; 5

## Convenience

- Ease of Installation: Automatic Tuning System (ATS), Plug & Play
- Other convenience: VESA mount (75x75mm)
- Remote control type: 190TS2 Remote control
- Ease of Use: On Screen Display, Program List, Side Control
- Screen Format Adjustments: Widescreen, Super Zoom, Zoom 1, Zoom 2, 4:3
- SmartSound: Personal, Music, Speech
- On-Screen Display languages: English, Simplified Chinese
- SmartImage: Vivid, Standard, Personal, Eco, Movie

## Sound

- Output Power: 2 x 3W
- Sound Enhancement: Incredible Surround, Smart

## Sound

- Sound System: Mono, Nicam Stereo, Stereo

## Stand

- Tilt: 0/+12 degree

## Power

- Mains power: 100-240V, 50/60Hz
- Off mode: 0.5W
- On mode: 20W (typ.)
- Standby mode: 0.5W
- Ambient temperature: 0 °C to 40 °C
- MTBF: 30,000 hour(s)

## Supported Display Resolution

- Computer formats: 1366 x 768, 60Hz
- Video formats: 480i, 60Hz, 480p, 60Hz, 576i, 50Hz, 576p, 50Hz, 720p, 50, 60Hz, 1080i, 50, 60Hz, 1080p, 50, 60Hz

## Dimensions

- Product with stand (mm): 458 x 366 x 171 mm
- Packaging in mm (WxHxD): 520 x 437 x 135 mm
- Product without stand (mm): 458 x 326 x 44 mm

## Weight

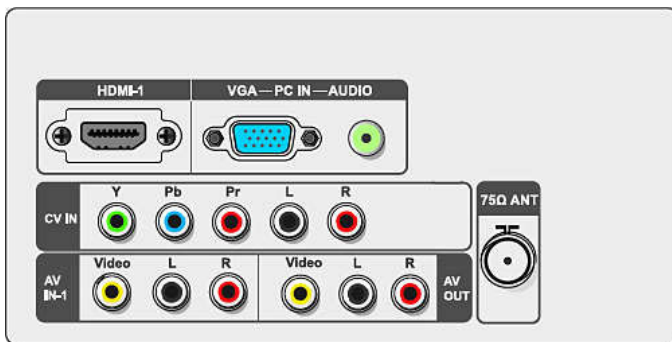
- Product with packaging (kg): 4.96 kg
- Product with stand (kg): 3.50 kg
- Product without stand (kg): 3.14 kg

## Tuner/Reception/Transmission

- Aerial Input: 75 ohm coaxial (IEC75)
- TV system: PAL B/G, PAL D/K, PAL I
- Video Playback: NTSC, PAL
- Tuner Display: PLL

## Accessories

- Included accessories: Table top stand, Quick start guide, User Manual, Remote Control, VGA cable, Audio Cable, Power cord



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