



Philips  
LCD monitor with Analog  
TV tuner

58 cm (23") w T-line  
1920x1080 Full HD

230T1SB



## Full HD TV monitor with HDMI in a stylish package

Experience brilliant multimedia performance with this stylish, glossy and stunning Full HD 1080p display with TV tuner! Combined with HDMI and AV inputs along with powerful sound the 230T1 takes entertainment to a new height!

### Best picture quality

- Full HD LCD display, with a 1920x1080p resolution
- SmartContrast 50000:1 for incredible rich black details
- SmartImage: Optimized user-friendly display experience
- Up to 5ms response time for clear, fast moving action

### Experience true multimedia

- SmartSound selects a perfect mode for audio performance
- HDMI-ready for top quality, multimedia experience
- Incredible Surround for enhanced audio enjoyment

### Great convenience

- Built-in TV tuner for viewing TV programs on your PC monitor
- Remote control for TV functions

# PHILIPS

LCD monitor with Analog TV tuner  
58 cm (23") w T-line 1920x1080 Full HD

230T1SB/97

# Highlights

## Full HD LCD display 1920x1080p



The Full HD screen has the widescreen resolution of 1920 x 1080p. This is the highest resolution of HD sources for the best possible picture quality. It is fully future proof as it supports 1080p signals from all sources, including the most recent like Blu-ray and advanced HD game consoles. The signal processing is extensively upgraded to support this much higher signal quality and resolution. It produces brilliant flicker-free progressive scan pictures with superb brightness and colors.

## 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).

## SmartContrast ratio 50000:1



With SmartContrast

Without SmartContrast

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

## 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.

## 5ms response time

Response time measures signal reaction speed in milliseconds. Faster response time is better

as it eliminates visible image artifacts that could dampen your experience when viewing fast moving images or objects. In this case, this LCD panel gives you 5ms response time so that you can watch your LCD TV with a clear, fast moving action.

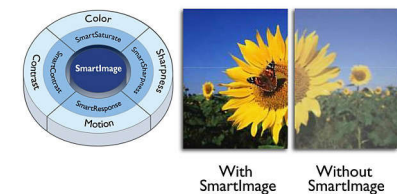
## Remote control for TV

Remote control for TV functions

## 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

## SmartImage



With SmartImage

Without 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!

## Built-in TV tuner

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



# Specifications

## Connectivity

- Signal Input: VGA (Analog ), HDMI, PC Audio in
- Other connections: S-Video in, CVBS in, Audio L/R in, Headphone out
- Ext 1: CVBS in, Audio L/R in
- Ext 2: YPbPr in, Audio L/R in
- Ext 3: CVBS out, Audio L/R out

## Picture/Display

- Diagonal screen size (metric): 58.42 cm
- Diagonal screen size (inch): 23 inch
- Aspect ratio: Widescreen, 16:9
- Panel resolution: 1920 x 1080
- Brightness: 300 cd/m<sup>2</sup>
- Contrast ratio (typical): 1000:1
- SmartContrast: 50000:1
- Response time (typical): 5 ms
- Viewing angle: 170° (H) / 160° (V)
- Picture enhancement: Progressive scan, TrueVision
- Screen enhancement: Anti-Reflection coated screen

## Convenience

- Ease of Installation: Automatic Tuning System (ATS), Plug & Play
- Other convenience: VESA mount (100x100mm)
- Ease of Use: On Screen Display, Program List, Side Control
- Screen Format Adjustments: Widescreen, Normal, Zoom 1, Zoom 2
- Remote control: 230T1 Remote control
- Smart mode: Movie, Standard, Personal, Vivid, Eco
- SmartSound: Music, Speech, Personal
- On-Screen Display languages: English, Simplified Chinese

## Sound

- Output power (RMS): 2 x 3W
- Sound Enhancement: Incredible Surround, Smart Sound
- Sound System: Mono, Stereo

## Power

- Mains power: 100-240V, 50/60Hz
- Off mode: 0.5W
- On mode: 49W (Typ.@monitor mode)
- Ambient temperature: 0 °C to 40 °C

## Supported Display Resolution

- Computer formats: 1920 x 1080, 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): 399 x 560 x 176 mm
- Packaging in mm (WxHxD): 477 x 653 x 160 mm
- Product without stand (mm): 364 x 560 x 65 mm

## Weight

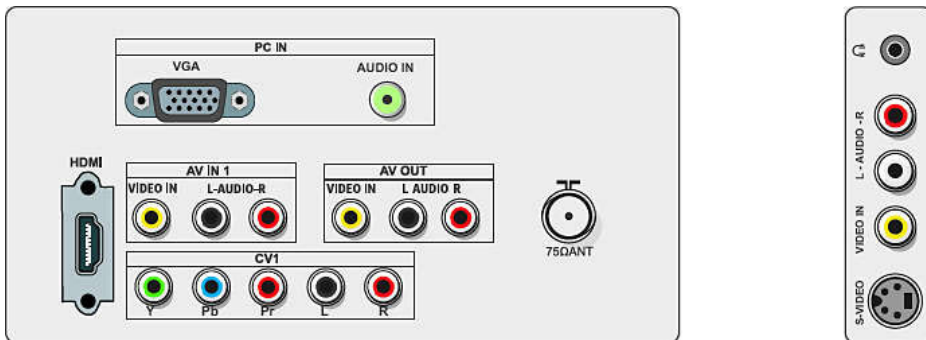
- Product with packaging (kg): 7.59 kg
- Product with stand (kg): 5.53 kg
- Product without stand (kg): 5.35 kg

## Tuner/Reception/Transmission

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

## Accessories

- Included accessories: Table top stand, Power cord, Quick start guide, User Manual, Remote Control, Batteries for remote control



Issue date 2024-03-24

Version: 4.1.3

EAN: 87 12581 50495 3

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