



LCD monitor, LED backlight with Digital TV tuner

- Motivo
- 23" (58.4 cm)
- Full HD display

231TE4LB/00

# Great TV entertainment on your Full HD LED monitor

with DTV tuner

Experience great multimedia performance on the Philips Motivo Full HD display. Combined with digital TV tuner, HDMI input and powerful sound, it's a great choice.

## Benefits

### Best picture quality

- LED technology for natural colours
- Full HD LCD display, with a 1920 x 1080p resolution
- SmartContrast 20,000,000:1 for incredible rich black details
- SmartPicture for optimised display experience
- SmartSound selects a perfect mode for audio performance

### Easy to connect and enjoy

- Built-in digital TV tuner for viewing TV on your PC monitor

- HDMI-ready for Full HD entertainment
- USB for fantastic MP3 audio and JPEG photo playback
- VGA input for PC connectivity

### Experience true multimedia

- Incredible Surround for enhanced audio enjoyment
- Digital audio and video reception via digital tuner

# PHILIPS

## Features

### 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 the LCD backlight, resulting in a super high contrast ratio. It also gives superior colour reproduction thanks to consistent brightness across the screen.

### Digital TV tuner

A digital television tuner built into a monitor to receive and display high quality TV signals from various sources.

### Full HD LCD display 1920 x 1080p



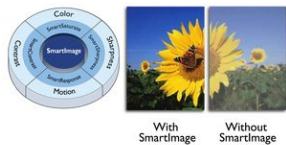
The Full HD screen has the widescreen resolution of 1920 x 1080p. This is the highest resolution of HD sources for the best possible picture quality. It is fully future-proof as it supports 1080p signals from all sources, including the most recent sources such as Blu-ray and advanced HD game consoles. 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 colours.

### SmartContrast ratio 20,000,000:1



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 black level and accurate rendition of dark shades and colours. It gives a bright, lifelike picture with high contrast and vibrant colours.

### SmartPicture



SmartPicture is an exclusive leading edge Philips technology that analyses the content displayed on your screen and gives you optimised 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, SmartPicture dynamically optimises the contrast, colour 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!

### 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.

### SmartSound

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

### HDMI Ready



An HDMI-ready device has all the required hardware to accept High-Definition Multimedia Interface (HDMI) input. An HDMI cable enables high-quality digital video and audio to be 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).

### Digital audio and video

## Specifications

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### Picture/Display

LCD panel type	TFT-LCD
Backlight type	W-LED system
Diagonal screen size (inch)	23 inch
Diagonal screen size (metric)	58.4 cm
Aspect ratio	16:9
	Widescreen
Panel resolution	1920 x 1080
Response time (typical)	5 ms
Brightness	250 cd/m <sup>2</sup>
SmartContrast	20,000,000:1
Viewing angle	170° (H)/160° (V) @ C/R > 10
Contrast ratio (typical)	1000:1
Picture enhancement	Progressive scan
Screen enhancement	Anti-Reflection coated screen

Other convenience  
Screen Format  
Adjustments

SmartPicture

SmartSound

Teletext

### Stand

Tilt 0/+15 degree

### Tuner/Reception/Transmission

Aerial Input	75 ohm coaxial (IEC75)
TV system	PAL I PAL B/G PAL D/K SECAM B/G SECAM D/K SECAM L/L'
Video Playback	NTSC PAL SECAM PLL yes (Burn CI+ key in set)
Tuner Display	DVB-C DVB-T
CI/CI+	Yes
Digital TV	Yes
MHEG-5 v1.06	
MPEG-2, MPEG-4 support	
Tuner bands	Hyperband S-Channel UHF VHF

### Connectivity

Ext @ side	CI+ USB x 1 (JPG/MP3)
Ext @ rear	D-sub x 1 HDMI (1.4a) x 1 Headphone x 1 PC audio in x 1 Scart x 1 SPDIF out x 1 (RCA) Tuner x 1 YPbPr x 1 + L/R input x 1

### Power

On mode	25.6 W (typ.)/34 W (max)
Off mode	0.3 W (typ.)
Standby mode	0.3 W (typ.)
Ambient temperature	5°C to 40°C
Mains power	100-240 V, 50/60 Hz

### Supported Display Resolution

Computer formats	Optimum 1920 x 1080, 60 Hz
Video formats	480i, 60 Hz 480p, 60 Hz 576i, 50 Hz 576p, 50 Hz 720p, 50, 60 Hz 1080i, 50, 60 Hz 1080p, 24, 50, 60 Hz

### Sound

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

### Convenience

Ease of Installation	Plug and Play Automatic Tuning System (ATS)
Ease of Use	On-Screen Display Programme List Side Control
Remote control type	Philips RC6 Remote control
On-Screen Display languages	Bulgarian Croatian Czech Danish Dutch English Estonian Finnish French German Greek Hungarian Italian Kazakh Latvian Lithuanian Norwegian Portuguese Polish Romanian Russian Serbian Slovak Slovenian Spanish Swedish Turkish

### Dimensions

Packaging in mm (W x H x D)	612 x 468 x 117 mm
Product with stand (mm)	573 x 410 x 174 mm
Product without stand (mm)	573 x 370 x 39 mm

### Weight

Product with packaging (kg)	4.83 kg
Product with stand (kg)	3.56 kg

Product without stand (kg) 3.32 kg

### Accessories

Included accessories Power cord  
Remote Control (with battery)  
Quick start guide  
User Manual  
VGA cable



data subject to change  
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