



Philips
LCD monitor, LED
backlight with Digital TV
tuner

Motivo
23" (58.4 cm)
Full HD display

231TE4LB



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.

Best picture quality

- Full HD LCD display, with a 1920 x 1080p resolution
- LED technology for natural colours
- 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
- VGA input for PC connectivity
- HDMI-ready for Full HD entertainment
- USB for fantastic MP3 audio and JPEG photo playback

Experience true multimedia

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

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 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

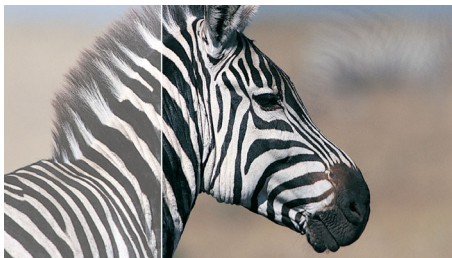
A digital television tuner built into a monitor to receive and display high quality TV signals from various sources.

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.

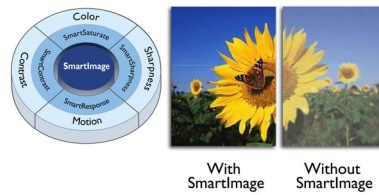
SmartContrast ratio 20,000,000:1



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

Digital audio and video reception via digital tuner



Specifications

Picture/Display

- LCD panel type: TFT-LCD
- Backlight type: W-LED system
- Diagonal screen size: 23 inch / 58.4 cm
- Aspect ratio: 16:9, Widescreen
- Panel resolution: 1920 x 1080
- Response time (typical): 5 ms
- Brightness: 250 cd/m²
- 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

Supported Display Resolution

Computer formats

Resolution	Refresh rate
Optimum 1920 x 1080	60 Hz

Video formats

Resolution	Refresh rate
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,

Ukraine

- Other convenience: VESA mount (100 x 100 mm)
- Screen Format Adjustments: Auto (WSS), Movie expand 14:9, Movie expand 16:9, Widescreen, Super Zoom, Subtitle Zoom, 4:3
- SmartPicture: Cinema, Custom, Energy saving, Game, Natural, Photo, Standard, Vivid
- SmartSound: Cinema, Drama, Game, News, Personal, Sports, Standard
- Teletext: 1000-page Smart Text

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
- Tuner Display: PLL
- CI/CI+: yes (Burn CI+ key in set)
- Digital TV: DVB-C, DVB-T
- 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

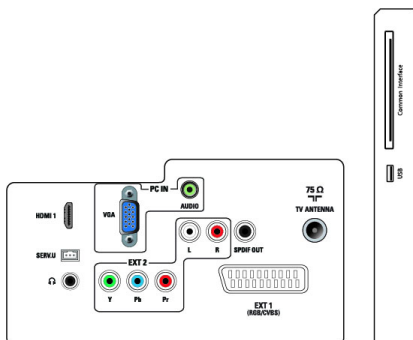
- On mode: 25.6 W (typ.)/34 W (max)
- Off mode: 0.3 W (typ.)
- Standby mode: 0.3 W (typ.)
- Ambient temperature: 5°C to 40°C
- Mains power: 100-240 V, 50/60 Hz

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



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