



Philips
LCD monitor with Digital
TV tuner

21.5"/54.6 cm

Full HD display

221TE5LB



Great Full HD entertainment

with DTV tuner

Experience great performance on the Philips Full HD display with digital TV tuner. HDMI input, USB AV playback and powerful sound make it 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

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
- HDMI with Easylink
- USB direct playback for video, photo and MP3

Experience true multimedia

- Digital audio and video reception via digital tuner
- SmartSound selects a perfect mode for audio performance

PHILIPS
sense and simplicity

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



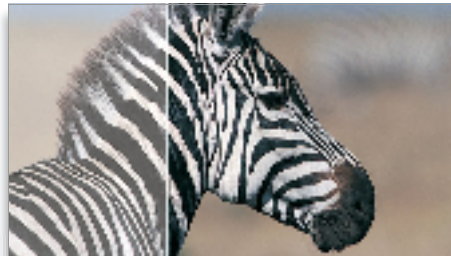
The Full HD screen has the widescreen resolution of 1920 x 1080p. This is the highest resolution of HD sources for the best possible picture quality. It is fully future-proof as it supports 1080p signals from all sources, including the most recent sources such as Blu-ray and advanced HD game consoles.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

USB multimedia

The USB connector allows access to jpeg photos, MP3 music and video files of most USB-sticks (USB memory-class device). Plug the USB into the slot at the side of the MTV

and access the multimedia content using the easy on-screen content browser. You can now view your videos, photos and music.

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!

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, high quality digital video and audio signals all transmitted over a single cable from a PC or any number of AV sources including set-top boxes, DVD players and A/V receivers and video cameras.

HDMI with Easylink

HDMI is a single cable to carry both picture and audio signals from your devices to your MTV, saving you from cable clutter. It carries uncompressed signals, ensuring that you have the highest quality from source to screen. Together with Philips Easylink, you need only one remote control to perform most operations on your MTV. Enjoy high quality picture and sound without clutter or fuss.

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: 21.5 inch / 54.6 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): 6W (3W+3W)
- Sound Enhancement: Smart Sound, Surround
- 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 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 (75 x 75 mm)

- Screen Format Adjustments: 4:3, Autofill, Autozoom, Super Zoom, Subtitle Zoom, Movie expand 14:9, Movie expand 16:9, Widescreen
- SmartPicture: Cinema, Custom, Energy saving, Game, Natural, Personal, 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
- MPEG-2, MPEG-4 support
- MHEG-5
- Tuner bands: Hyperband, S-Channel, UHF, VHF

Connectivity

- Ext @ side: CI+, USB x 1 (JPG/MP3/Video), Headphones
- Ext @ rear: D-sub x 1, HDMI (1.4a) x 2, PC audio in x 1, Scart x 1, SPDIF out x 1 (RCA), Tuner x 1

Power

- On mode: 30 W (typ.)/45 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): 565 x 434 x 116 mm
- Product with stand (mm): 511 x 368 x 174 mm
- Product without stand (mm): 511 x 317 x 47 mm

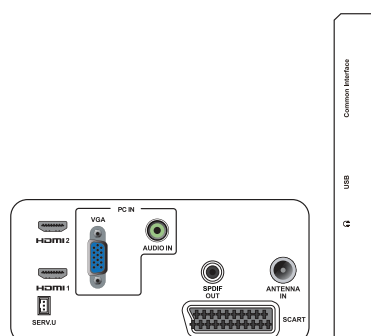
Weight

- Product with packaging (kg): 4.85 kg
- Product with stand (kg): 3.58 kg
- Product without stand (kg): 3.35 kg

Accessories

- Included accessories: Power cord, Remote

Control (with battery), Quick start guide, User Manual, VGA cable



Issue date 2013-04-28

Version: 1.0.1

12 NC: 8670 000 98043
EAN: 87 12581 66898 3

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