



Philips
LCD TV with Digital
Crystal Clear

56cm/22"
digital TV

22PFL3504D



Clearly the smart choice

Designed for ease of use, this Flat TV features modern design, 2 HDMI connections, a powerful 720p, 60Hz display and brilliant Digital Crystal Clear engine. Making the smart choice in total picture quality has never been easier.

See brilliant picture quality

- Up to 5ms response time for clear, fast moving action
- Digital Crystal Clear for detail depth and clarity
- Dynamic contrast for incredible rich black details
- HD LCD display, with a 1366 x 768p resolution

Hear crisp and clear sound

- 2x3W RMS audio power

Easy to connect and enjoy

- PC-input allows you to use your TV as a PC monitor
- Settings assistant for effortless personalized TV settings
- 2 HDMI inputs with Easylink for HD connection

Ready for digital

- ATSC & QAM tuner receives over the air and unscrambled cable

PHILIPS

Highlights

Digital Crystal Clear

Digital Crystal Clear is a package of picture innovations that digitally adjusts and optimizes picture quality to optimal contrast, color and sharpness levels. It's like watching vivid cinema-like images.

LCD display, 1366 x 768p

This WXGA display with state-of-the-art LCD screen technology gives you widescreen HD resolution of 1366 x 768p pixels. It produces brilliant flicker-free progressive scan pictures with optimum brightness and superb colors. This vibrant and sharp image will provide you with an enhanced viewing experience.

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.

Dynamic contrast

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. Dynamic contrast 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.

2 HDMI inputs with EasyLink

EasyLink uses the HDMI CEC industry standard protocol to share functionality between connected devices and the TV. With Easylink only one remote control is needed to operate main functionalities on your TV and connected devices. HDMI makes an uncompressed digital RGB connection from the source to the screen for the ultimate picture quality. HDMI uses HDCP copy protection. With 1 HDMI input on the back and 1 HDMI on the side of the TV you can connect multiple HD sources, for instance an

HD settop box, a Blu-ray player, and Game Console or Digital Camcorder.

PC input (VGA)

With PC input you can connect your TV to a computer by a VGA cable and use the TV as a PC monitor.

Settings assistant

Settings assistant for effortless personalized TV settings. The new settings assistant personalisation wizard guides you to personalised settings with unparalleled ease. It includes not only picture, but the complete viewing experience, including sound and Ambilight settings. The wizard shows a few screens with easy to choose options to select the essential settings. The TV performance is set to the your personal preference without difficult terms or settings, and this very quickly.

Built-in ATSC & QAM tuner

Built-in ATSC & QAM tuner for reception of over-the-air and unscrambled HD cable programs



Specifications

Picture/Display

- Aspect ratio: Widescreen
- Brightness: 300 cd/m²
- Contrast ratio (typical): 800:1
- Dynamic screen contrast: 3200:1
- Response time (typical): 5 ms
- Viewing angle: 170° (H) / 160° (V)
- Diagonal screen size: 22 inch / 56 cm
- Visible screen diagonal (inch): 21.6 inch
- Panel resolution: 1366 x 768p
- Picture enhancement: 3D Combfilter, Digital Crystal Clear, Digital Noise Reduction, Dynamic contrast enhancement, Progressive scan

Supported Display Resolution

Computer formats

Resolution	Refresh rate
640 x 480	60Hz
720 x 480	60Hz
800 x 600	60Hz
1024 x 768	60Hz
1280 x 768	60Hz
1360 x 768	60Hz

Video formats

Resolution	Refresh rate
480i	60Hz
480p	60Hz
720p	60Hz
1080i	60Hz

Sound

- Equalizer: 5-bands
- Output power (RMS): 2 x 3W
- Sound System: Dolby Digital (AC-3), Stereo, SAP

Loudspeakers

- Built-in speakers: 2

Convenience

- Child Protection: Child Lock+Parental Control
- Clock: Sleep Timer
- Ease of Installation: Autostore, PLL Digital Tuning
- Ease of Use: Auto Volume Leveller (AVL), AutoPicture, AutoSound, Settings assistant Wizard, Side Control

- Remote Control: TV
- Screen Format Adjustments: 4:3, Movie expand 16:9, Widescreen

Tuner/Reception/Transmission

- Aerial Input: 75 ohm F-type
- TV system: ATSC, NTSC
- Video Playback: NTSC
- Cable: Unscrambled Digital Cable -QAM
- Tuner bands: Hyperband, S-Channel, UHF, VHF

Connectivity

- AV 1: Audio L/R in, YPbPr
- Front / Side connections: HDMI v1.3, S-video in, CVBS in, Audio L/R in, Headphone Out, USB
- Audio Output - Digital: Coaxial (cinch)
- Other connections: PC Audio in, PC-In VGA
- HDMI 1: HDMI v1.3, Analog audio L/R in
- EasyLink (HDMI-CEC): One touch play, Power status, System info (menu language), System audio control, System standby

Power

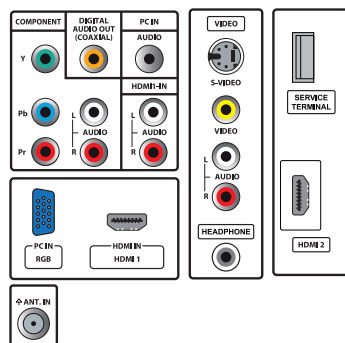
- Ambient temperature: 5 °C to 35 °C
- Mains power: 120V/60Hz
- Power consumption: 70 W
- Standby power consumption: < 0.5 W

Dimensions

- Set dimensions in inch (W x H x D): 21.6 x 14.8 x 3.5 inch
- Set dimensions with stand in inch (W x H x D): 21.6 x 16.3 x 7.1 inch
- Weight incl. Packaging (lb): 13.9
- Product weight (lb): 10.2
- Product weight (+stand) (lb): 10.9 lb
- Box dimensions in inch (W x H x D): 24.8 x 18.5 x 7.3 inch
- VESA wall mount compatible: 100 x 100 mm

Accessories

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



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