

Philips
LCD TV with Pixel Precise
HD



107cm (42")
Full HD 1080p
digital TV

42PFL7404H



Be part of the action.

With slim design and invisible sound

Featuring the stunning Pixel Precise HD and fantastic invisible sound, enjoy the pleasure of the movies in your living room. This full HD 1080p display combined with a super slim design, ensures you're always part of the action.

See precise details in action

- Pixel Precise HD for extremely sharp and clear pictures
- Full HD LCD display, with a 1920x1080p resolution
- 100Hz LCD, 3ms performance for superb motion sharpness
- HD Natural Motion for ultra smooth motion in Full HD movies
- Dynamic contrast 80000:1 for incredible rich black details

Exciting and powerful sound

- 2x10W with Incredible Surround

Your window to the digital world

- USB for fantastic multimedia playback
- 4 HDMI inputs with Easylink for a full HD connection
- EasyLink: easy control of TV & connected device via HDMI CEC

Ready for digital

- MPEG4 HDTV reception via DVB-T and DVB-C tuner with CI+*

PHILIPS

Highlights

Pixel Precise HD

Pixel Precise HD builds on the award winning Pixel Plus foundation. It brings the picture quality to the next level with 4 trillion colours with HD Natural Motion making all your movies fluently moving and razor sharp. Thanks to Pixel Precise 100Hz LCD, you are buying the fastest LCD TV's in the category with 3ms response time delivering extreme motion sharpness for all your movies and sports.

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.

100Hz LCD (3ms)

100Hz LCD creates extreme motion sharpness for clear and vibrant images even with fast on-screen motion. The Double Frame Rate Insertion works with a high 100Hz refresh rate. It increases the sharpness of

motion reproduction to more than twice that of conventional LCD, resulting in a performance with a response time of 3 milliseconds (measured in Perceived Blur-Edge-Width; BEW). This unique Philips technology brings motion sharpness of LCD displays to an unprecedented level.

HD Natural Motion

Philips invented HD Natural Motion to minimize juddering effects that are visible with movie based picture content. The award winning algorithm estimates motion in the picture and corrects juddering movements in both broadcast and recorded movie material (such as DVD and Blu-ray Disc). The resulting smooth motion reproduction and excellent sharpness take the viewing experience to a higher level.

2x10W with Incredible Surround

An invisible sound system that blends perfectly with the design of the cabinet. The Incredible Surround allows you to experience total surround with greater depth and width of sound. It gives a clear and spacious sound stage complementary to the rich viewing experience.

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

4 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 3 HDMI inputs 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.

MPEG4 DVB-T/C tuner with CI+*

HDTV allows you to watch TV in the best possible picture and sound quality, without additional set-top box. Thanks to the built in tuner that supports DVB-Terrestrial and DVB-Cable signals for both MPEG-2 and MPEG-4 formats, you receive high definition TV programs in exceptional quality. Moreover, with Common Interface Plus (CI+) you benefit from premium high definition content directly on your TV.



Specifications

Picture/Display

- Aspect ratio: Widescreen
- Brightness: 500 cd/m²
- Dynamic screen contrast: 80000:1
- Response time (typical): 3 ms
- Viewing angle: 176° (H) / 176° (V)
- Diagonal screen size: 42 inch / 107 cm
- Display screen type: LCD Full HD W-UXGA Act. matrix
- Panel resolution: 1920x1080p
- Picture enhancement: Pixel precise HD, 3/2 - 2/2 motion pull down, 3D Combfilter, Active Control + Light sensor, Digital Noise Reduction, Dynamic contrast enhancement, Luminance Transient Improver, Progressive scan, 2D/3D noise reduction, 100Hz LCD, HD Natural Motion
- Screen enhancement: Anti-Reflection coated screen
- Color processing: 4 trillion colors (14bit RGB)
- Color cabinet: High gloss black deco front with black cabinet

Supported Display Resolution

Computer formats

| Resolution | Refresh rate |
|-------------|----------------------|
| 640 x 480 | 60Hz |
| 800 x 600 | 60Hz |
| 1024 x 768 | 60Hz |
| 1280 x 1024 | 60Hz |
| 1360 x 768 | 60Hz |
| 1600 x 1200 | 60Hz |
| 1920 x 1080 | 60Hz |
| 480i | 60Hz |
| 480p | 60Hz |
| 576i | 50Hz |
| 576p | 50Hz |
| 720p | 50, 60Hz |
| 1080i | 50, 60Hz |
| 1080p | 24, 25, 30, 50, 60Hz |

Sound

- Output power (RMS): 2 x 10W
- Sound Enhancement: Incredible Surround, Treble and Bass Control
- Sound System: Nicam Stereo

Convenience

- Child Protection: Child Lock+Parental Control
- Clock: Sleep Timer
- Ease of Installation: Auto Program Naming, Automatic Channel Install(ACI), Automatic Tuning System (ATS), Autostore, Fine Tuning, PLL Digital Tuning, Plug & Play
- Ease of Use: Auto Volume Leveller (AVL), Delta Volume per preset, Program List, Settings assistant Wizard, One-stop Home button, Favorite program selection
- Electronic Program Guide: Now + Next EPG, 8day Electronic Program Guide*
- Remote Control: TV
- Remote control type: RC PF03E09B
- Screen Format Adjustments: Auto Format, Movie expand 16:9, Super Zoom, Widescreen, unscaled (1080p dot by dot)
- Teletext: 1000 page Smart Text
- Teletext enhancements: 4 favourite pages
- Firmware upgradeable: Firmware auto upgrade wizard, Firmware upgradeable via USB
- Multimedia: USB media browser
- Smart mode: Game, Movie, Personal, Energy saving, Standard, Vivid

Multimedia Applications

- Multimedia connections: USB
- Playback Formats: MP3, LPCM, JPEG Still pictures, MPEG1, MPEG2, H.264/MPEG-4 AVC

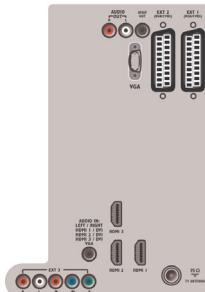
Tuner/Reception/Transmission

- Aerial Input: 75 ohm coaxial (IEC75)
- TV system: DVB COFDM 2K/8K
- Video Playback: NTSC, SECAM, PAL
- Digital TV: DVB-T MPEG4*, DVB-C MPEG4*
- Tuner bands: Hyperband, S-Channel, UHF, VHF

Connectivity

- Ext 1 Scart: Audio L/R, CVBS in, RGB
- Ext 2 Scart: Audio L/R, CVBS in, RGB
- Ext 3: YPbPr, Audio L/R in
- Front / Side connections: HDMI v1.3, S-video in, CVBS in, Audio L/R in, Headphone Out, USB
- Other connections: Analog audio Left/Right out, PC Audio in, PC-In VGA, S/PDIF out (coaxial), Common Interface Plus (CI+), Common Interface
- HDMI 1: HDMI v1.3
- HDMI 2: HDMI v1.3

Rear connectors



Side



- HDMI 3: HDMI v1.3
- EasyLink (HDMI-CEC): One touch play, Remote control pass-through, System audio control, System standby

Power

- Ambient temperature: 5 °C to 35 °C
- Mains power: 220 - 240V, 50Hz
- Power consumption (typical): 146 W
- Standby power consumption: 0.15 W

Dimensions

- Set dimensions (W x H x D): 996 x 603 x 88 mm
- Set dimensions with stand (W x H x D): 996 x 655 x 260 mm
- Weight incl. Packaging: 24.1 kg
- Product weight: 17.1 kg
- Product weight (+stand): 19.9 kg
- Box dimensions (W x H x D): 1203 x 682 x 266 mm
- Wall mount compatible: 400 x 400 mm

Accessories

- Included accessories: Tabletop swivel stand, Power cord, Quick start guide, Warranty certificate, Remote Control, Batteries for remote control



Issue date 2022-07-14

Version: 9.10.10

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EAN: 87 12581 46421 9

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* DVB-T, supported in selected countries only

* DVB-C in selected countries and for selected operators only. Most up to date information is available on the type plate of the TV.