



Philips
LCD TV with Ambilight
Spectra 2 and Perfect Pixel
HD Engine

94 cm (37")
Full HD 1080p
digital TV

37PFL9604H



Brings movies to life

With Ambilight and breathtaking sharp pictures

Be captivated by the immersive power of Ambilight. Featuring the stunning Perfect Pixel HD engine and powerful sound, movies really come to life in your living room.

Immersive viewing experience

- Ambilight Spectra 2 enhances the viewing experience

Perfect LCD Picture

- Perfect Pixel HD Engine for unrivalled sharpness and clarity
- Full HD LCD display, with a 1920x1080p resolution
- Perfect Natural Motion for ultra smooth Full HD movies
- 100Hz Clear LCD, 2ms performance for superb motion sharpness

Powerful and all absorbing sound

- 2x15W RMS with BBE for fresh, clear sound

In-built internet TV

- Philips Net TV with Wi-Fi for online services on your TV
- Enjoy a rich selection of web videos from YouTube and others

Ready for digital

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

PHILIPS

LCD TV
94 cm (37") Full HD 1080p, digital TV

37PFL9604H/12

Highlights

Ambilight Spectra 2

Add a new dimension to your viewing experience with Ambilight Spectra 2. This patented Philips technology enlarges the screen further by projecting a glow of light from the back of the screen onto the surrounding wall. Ambilight adjusts automatically the colour and brightness of the light surrounding the TV to match with the picture, creating an immersive viewing experience. With Ambilight Spectra 2 movies truly come to life!

Perfect Pixel HD Engine

Experience unrivalled sharpness and clarity with Perfect Pixel HD Engine. Each pixel of the picture is enhanced to better match the surrounding pixels, resulting in a more natural picture. The result is a unique combination of sharpness, natural detail, vivid colors superior contrast and smooth natural motion whatever you are watching. Clean and razor sharp images result from artifact and noise detection and reduction in all content sources - from multimedia to standard TV.

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.

Philips Net TV with Wi-Fi

Experience a rich selection of online services with Net TV. Enjoy movies, pictures, infotainment and other online content directly on your TV whenever you like. Simply connect your home theater directly to your home network through the ethernet connection, and navigate and select what you want to watch with the remote control. The Philips menu gives you access to popular Net TV services fitted for your TV screen. Additionally, with the DLNA certified PC network you can watch videos or access pictures stored on your computer using your remote control.

Perfect Natural Motion

Enjoy the action without any judder. Perfect Natural Motion estimates motion in the picture and corrects juddering movements in both broadcast and pre-recorded movie material (including 1080p movies and 24p True Cinema on Blu-ray and DVD). The result is even smoother and quieter pictures with

excellent sharpness. Enjoy motion performance that surpasses cinema quality!

100Hz Clear LCD (2ms)

100Hz Clear LCD creates extreme motion sharpness. The Double Frame Rate Insertion increases the sharpness of motion reproduction to more than twice that of conventional LCD, resulting in a performance with a response time of 2 milliseconds. Now you can enjoy clear images even with fast on-screen motion.

2x15W RMS with BBE

BBE high definition sound is the core sound enhancement technology (licensed by BBE Sound) that will enable you to experience real natural music, speech intelligibility with rich and clear audible vocals.

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: 80.000:1
- Response time (typical): 2 (BEW equiv.) ms
- Viewing angle: 176° (H) / 176° (V)
- Diagonal screen size: 37 inch / 94 cm
- Display screen type: LCD Full HD W-UXGA Act. matrix
- Panel resolution: 1920x1080p
- Picture enhancement: Perfect Pixel HD Engine, Perfect Natural Motion, Perfect Contrast, Perfect Colors, 3/2 - 2/2 motion pull down, 3D Combfilter, Active Control + Light sensor, 100Hz Clear LCD, Jagged Line Suppression, Progressive scan, 1080p 24/25/30Hz processing, 1080p 50/60Hz processing
- Screen enhancement: Anti-Reflection coated screen
- Color processing: 2250 trillion colors 17bit RGB
- Color cabinet: Brushed aluminium decofront

Ambilight

- Ambilight Features: Ambilight Spectra 2, Lounge light mode
- Dimming Function: Manual and via Light Sensor
- Ambilight light system: LED wide color

Supported Display Resolution

Computer formats

Resolution	Refresh rate
640 x 480	60Hz
800 x 600	60Hz
1024 x 768	60Hz
1280 x 768	60Hz
1360 x 768	60Hz
1920 x 1080	60Hz

Video formats

Resolution	Refresh rate
480i	60Hz
480p	60Hz
576i	50Hz
576p	50Hz
720p	50, 60Hz
1080i	50, 60Hz
1080p	24, 50, 60Hz
1080p	24, 25, 30Hz

Sound

- Output power (RMS): 2 x 15W
- Sound Enhancement: Auto Volume Leveler, Digital Signal Processing, Dynamic Bass Enhancement, Treble and Bass Control
- Sound System: BBE

Loudspeakers

- Built-in speakers: 4
- Loudspeaker types: 2 integrated subwoofers, 2x Dome tweeter

Convenience

- Child Protection: Child Lock+Parental Control
- Connection Enhancement: Easy link
- 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, Graphical User Interface, On Screen Display, Program List, Settings assistant Wizard, Side Control, Connectivity assistant, Automatic setup wizard, Demo mode, Onscreen Usermanual, Touch control buttons, Favorite program selection, Iconic home screen, Mozaic channel grid
- Electronic Program Guide: Now + Next EPG, 8 day Electronic Program Guide
- Picture in Picture: Text dual screen
- Remote Control: DVD, DVD-R, Sat, STB (Set-Top Box), Universal, HTS (Home Theater System)
- Remote control type: RC4495
- Screen Format Adjustments: Auto Format, Movie expand 16:9, Super Zoom, Widescreen, unscaled (1080p dot by dot)
- Teletext: 1200 page Hypertext
- Firmware upgradeable: Firmware auto upgrade wizard, Firmware upgradeable via USB
- Multimedia: Digital media reader (browser), USB autobreak-in, DLNA media Browser, Net TV services
- Smart mode: Game, Cinema, Personal, Power saver, Standard, Vivid

Multimedia Applications

- Multimedia connections: Ethernet-UTP5, USB, Wi-Fi 802.11g (built in)
- Playback Formats: MP3, WMA v2 up to v9.2, Slideshow files (.alb), JPEG Still pictures, MPEG1, MPEG2, MPEG4, AVI, H.264/MPEG-4 AVC, MPEG-Program-stream PAL, WMV9/VC1

Tuner/Reception/Transmission

- Aerial Input: 75 ohm coaxial (IEC75)
- TV system: DVB COFDM 2K/8K
- Video Playback: NTSC, SECAM, PAL
- Digital TV: DVB Terrestrial *, DVB-T MPEG4*, DVB-C MPEG4*, MHEG
- 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, VGA PC-in, CVBS in, Audio L/R in, Headphone Out, USB
- Front / Side connections: HDMI v1.3, S-video in, PC network link: DLNA 1.0 certified
- Other connections: Analog audio Left/Right out, S/PDIF out (coaxial), Common Interface Plus (CI+), Common Interface
- HDMI 1: HDMI v1.3
- HDMI 2: HDMI v1.3
- HDMI 3: HDMI v1.3
- HDMI 4: HDMI v1.3
- EasyLink (HDMI-CEC): One touch play, EasyLink, Pixel link, Remote control pass-through, System audio control, System standby

Power

- Ambient temperature: 5 °C to 35 °C
- Mains power: AC 220 - 240 V +/- 10%
- Power consumption (typical): 166 W
- Standby power consumption: < 0.15 W

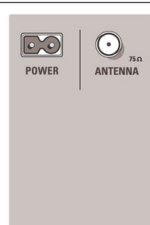
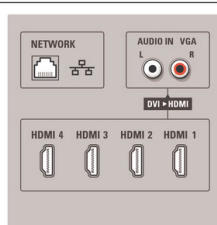
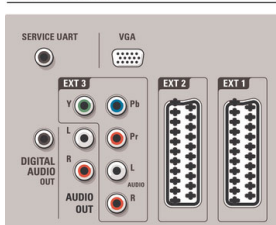
Dimensions

- Set dimensions (W x H x D): 903 x 577 x 89 mm
- Set dimensions with stand (H x D): 640 x 240 mm
- Stand width: 440 mm
- Weight incl. Packaging: 23.3 kg
- Product weight: 16 kg
- Product weight (+stand): 18.5 kg
- Box dimensions (W x H x D): 1000 x 792 x 300 mm
- Wall mount compatible: 200 x 200 mm

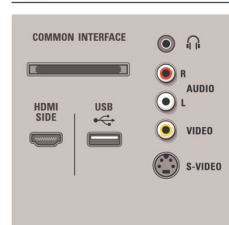
Accessories

- Included accessories: Tabletop swivel stand, RF antenna cable, Power cord, Quick start guide, Warranty certificate, Remote Control, Batteries for remote control, Legal and safety brochure, Net TV brochure
- Optional accessories: Smart level wallmount SQM6125, DVB-S module PFS0001*

Rear connectors



Side



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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.
* Net TV, service offering is dependent on country and subject to terms of use.
* Optional Philips DVB-S module required (part no. PFS0001, only available in Germany, Austria and Switzerland)