PHILIPS

LED TV

102 cm (40")

Full HD 1080p

digital TV

40PFL7605H

Be part of the action!

with Ambilight in an ultra-thin design

Experience television as is was meant to be with a flat screen Philips 102 cm (40") LED TV. The 40PFL7605 LED TV combines powerful LED picture performance and the immersion of Ambilight, be assured you are always part of the action.

HD TV in stunning detail
- Full HD TV with Pixel Precise HD for details in action
- Brilliant LED images with low power consumption
- 100Hz LCD, 2ms performance for superb motion sharpness
- HD Natural Motion for ultra smooth motion in Full HD movies

Greener every day
- LED TVs up to 40% more energy efficient than normal LCD TVs

In-built internet TV
- Philips Net TV for popular online services on your TV
- DLNA PC Network link to browse PC and Home network content

Impressive, invisible sound
- Feel the power of 20W RMS and Incredible Surround

Enlarge your viewing experience
- Ambilight Spectra 2 widens the viewing experience

Highlights

Ambilight Spectra 2

Add a new dimension to your viewing experience with Ambilight Spectra 2. This patented Philips technology enlarges the screen by projecting a glow of light, on the 2 sides of the TV, from the back of the screen onto the surrounding wall. Ambilight adjusts automatically the colour and brightness of the light to match the picture, creating an immersive viewing experience. The wall adaptive function ensures that the color of the light always matches the picture, no matter what the color of your wall. With Ambilight Spectra 2 movies truly come to life!

Pixel Precise HD

Pixel Precise HD builds on the award winning Pixel Plus foundation. It brings the high definition picture quality to the next level with 4 trillion colours. With Super Resolution, Pixel Precise HD now brings you the best HD TV picture quality whether you are watching a video from the internet or good quality Blu-ray movies.

LED

The most advanced LED lighting technology in this TV combines an eye-catching minimalistic design with stunning image quality as well as the lowest power consumption in its category. On top of that, LED lighting technology does not contain any hazardous materials. Thus, with LED backlight you can enjoy low power consumption, high brightness, incredible contrast, sharpness and vibrant colors.

100Hz LCD, 2ms response time

100Hz 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.

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.

20W RMS Incredible Surround

Feel the power of the music beat and the atmosphere of the movies. The powerful 20W RMS (2x10W RMS) amplifiers create a lifelike sound stage. Incredible Surround allows you to experience total surround with greater depth and width of sound complementary to the rich viewing experience.

DLNA PC Network link

The DLNA PC-Network link provides easy access to videos, photos and music content on your PC or Home Network using your TV remote control. By connecting your TV to your home network, you will be able to access content from all DLNA certified devices seamlessly. Browse your PC collection of multimedia from your TV at a push of a button.

Energy efficient LED

Using the latest LED backlight technology, LED-backlit TVs are a more sustainable choice, with a longer life and far lower energy consumption than plasmas and conventional LCD TVs. Unlike CCFL backlights, LEDs do not use mercury in their manufacture. In addition, Philips TV designs have constantly improved, resulting in higher material efficiency and reduced energy usage without compromising on safety and well-being.

Philips Net TV

Experience a rich selection of online services with Philips Net TV. Enjoy movies, pictures, infotainment and other internet directly on your TV whenever you like. Simply connect 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.

Specifications

Ambilight

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

Picture/Display

Aspect ratio: Widescreen
Diagonal screen size (inch): 40 inch
Diagonal screen size (metric): 102 cm
Color cabinet: Silver-brushed deco-front with black cabinet
Display: LCD Full HD, edge LED backlight
Brightness: 450 cd/m²
Picture enhancement: Pixel precise HD, Active Control + Light sensor, 100Hz Clear LCD, Digital Noise Reduction, Dynamic contrast enhancement, Luminance Transient Improver, MPEG artifact reduction, HD Natural Motion, Super Resolution, Color booster
Panel resolution: 1920x1080p
Dynamic screen contrast: 500,000 : 1
Response time (typical): 2 ms
Viewing angle: 176º (H) / 176º (V)
Peak Luminance ratio: 65 %
Screen enhancement: Anti-Reflection coated screen
Color processing: 4 trillion colors (14bit RGB)

Supported Display Resolution

Computer inputs: up to 1920x1080 @ 60Hz
Video inputs: up to 1920x1080p, 24, 25, 30, 50, 60 Hz

Tuner/Reception/Transmission

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

Multimedia Applications

Video Playback Formats: Codec support:, H264/MPEG-4 AVC, MPEG-1, MPEG-2, MPEG-4, WMV9/VC1, Containers: AVI, MKV
Music Playback Formats: MP3, WMA (v2 up to v9.2), AAC
Picture Playback Formats: JPEG
Net TV: Included

Convenience

Child Protection: Child Lock+Parental Control
Ease of Installation: Channel installation wizard, Network installation wizard, Settings assistant wizard, Device connection wizard, Auto detect Philips devices, Auto Program Naming, Autoinstall, Program Name, Sorting
Ease of Use: Smart Picture, Smart Sound, Onscreen Usermanual, EasyLink, Favorite program selection, Mozaïc channel grid, One-stop experience button, One-stop Home button
Clock: Sleep Timer
Screen Format Adjustments: Auto Format, Super Zoom, Movie expand 16:9, Widescreen, unscaled (1080p dot by dot)
Multimedia: DLNA media Browser, Net TV services, USB media browser
Electronic Program Guide: Now + Next EPG, 8day Electronic Program Guide*
Teletext: 1200 page Hypertext
Firmware upgradeable: Firmware auto upgrade wizard, Firmware upgradeable via USB, Online firmware upgrade

Sound

Output power (RMS): 2 x 10W, Invisible Sound
Sound Enhancement: Auto Volume Leveler, Dynamic Bass Enhancement, Incredible Surround, Treble and Bass Control, Clear Sound
Sound System: Mono, Nicam Stereo, Stereo

Connectivity

Audio Output – Digital: Coaxial (cinch)
EasyLink (HDMI-CEC): One touch play, EasyLink, Pixel Plus link (Philips), Remote control pass-through, System audio control, System standby
Front / Side connections: USB, Common Interface Slot (CI-CI+), SD-card (Videostore)
Ext 1 Scart: Audio L/R, CVBS in, RGB
HDMI 1: HDMI v1.4 (Audio Return Ch.)
Ext 2 Scart: Audio L/R, CVBS in, RGB
HDMI 2: HDMI v1.3
Other connections: Headphone out, PC Audio in, Ethernet-LAN RJ-45
HDMI 3: HDMI v1.3
PC network link: DLNA 1.5 certified
Ext 3: YPbPr, Audio L/R in
Summary: 4x HDMI, 1x USB, 2x SCART, 1x Ethernet, Wi-Fi ready
VGA-in: PC input, D-sub 15
HDMI Side: HDMI v1.3

Power

Mains power: 220 – 240V, 50/60Hz
Ambient temperature: 5 °C to 40 °C
Green label: ECO label certified
Standby power consumption: < 0.15 W
Power consumption (typical): 84 W
Power Saving Features: 0 Watt Power-off switch, Light sensor, Eco mode, Picture mute (for radio), Auto switch-off timer
Off mode power consumption: < 0.01
Annual energy consumption: 122.64 kW·h
Presence of lead: Yes*

Accessories

Included accessories: Tabletop swivel stand, Quick start guide, Registration card, Warranty Leaflet, Remote Control, 2 x AAA Batteries, Safety/legal instructions, Software declaration
Optional accessories: Wireless USB adaptor (PTA01)

* 8 days EPG, service not available in all countries
* Net TV: Visit www.philips.com/smarttv to discover the services offering in your country.
* The TV supports DVB reception for 'Free to air' broadcast. Specific DVB operators may not be supported. An up to date list can be found in the FAQ section of the Philips support website. For some operators Conditional Access and subscripction are required. Contact your operator for more information.
* Typical on-mode power consumption measured according to IEC62087 Ed 2.
* Energy consumption in kWh per year, based on the power consumption of the television operating 4 hours per day for 365 days. The actual energy consumption will depend on how the television is used.
* This television contains lead only in certain parts or components where no technology alternatives exist in accordance with existing exemption clauses under the RoHS Directive.

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