



Philips 5000 series  
LCD TV with Pixel Plus  
HD

**107 cm (42")**

Full HD 1080p digital TV



**42PFL5405H**

## Entertainment comes to life

With true to life FHD picture performance

Live the moment as if you were there with Pixel Plus HD and an impressive invisible sound.

### High definition giving you brilliant detail

- Full HD TV with Pixel Plus HD for better details and clarity
- 100 Hz LCD, 2 ms performance for superb motion sharpness
- HD Natural Motion for ultra-smooth motion in Full HD movies

### Rich and clear sound.

- 2.1 system 40 W surround sound (2 x 10 W RMS, virtual 20 W)\*
- Hear every word with Clear Sound

### Complete digital connectivity made simple

- Seamless connectivity with 3 HDMI inputs and Easylink
- USB for fantastic multimedia playback
- PC-input allows you to use your TV as a PC monitor
- Integrated MPEG-4 tuner for HD reception without set top box

### Greener every day

- 0 W Power Consumption when switched off

# PHILIPS

sense and simplicity

# Highlights

## Pixel Plus HD

Pixel Plus HD offers the unique combination of ultimate sharpness, natural detail, vivid colours and smooth natural motion on all qualities of HD, standard TV signals and multimedia content, for high definition displays. Artifacts and noise in all sources from multimedia to standard definition TV and also in highly compressed HD are detected and reduced, ensuring that the picture is clear and razor sharp.

## 100 Hz LCD, 2 ms response time

100 Hz 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 minimise 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.

## 2.1 sound system 40 W\*



Virtual 2.1 speaker system for an incredible 40 W sound (2 x 10 W + 20 W Virtual Power\*). \*This virtual 2.1 speaker system manages power intelligently to deliver twice the original power supplied and produces an excellent bass. Enjoy the purity and detailed sound with the additional dome tweeter which delivers uncompromised sound in a slim invisible speaker design.

## USB (multimedia)



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

## PC input (VGA)

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

## Integrated DVB tuner MPEG-4

The integrated digital tuner lets you receive digital cable and terrestrial TV without an additional set top box. Enjoy quality TV clutter free.

## 3 HDMI inputs with Easylink



HDMI is a single cable to carry both picture and audio signals from your devices to your TV, 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 TV, DVD, Blu-ray, set top box or home theatre system. Enjoy high quality picture and sound without clutter or fuss.

## Clear Sound



Critical moments in a movie or your favourite show are too often missed. Clear Sound is an innovative audio technology that significantly increases the intelligibility of vocalisations, whether spoken or sang. It ensures you hear every word, so you can enjoy what you're watching to the fullest.

## Energy Class B

### EU Energy Label

For many years Philips has pro-actively been working on the reduction of both on-mode and standby power consumption of its televisions and as a result most Philips televisions has achieve green EU energy labels in 2010. The greener the label, the lower the on-mode power consumption and the lower your energy bill and friendlier to the environment.

# Specifications

## Picture/Display

- Aspect ratio: Widescreen
- Brightness: 500 cd/m<sup>2</sup>
- Dynamic screen contrast: 100,000:1
- Response time (typical): 2 ms
- Viewing angle: 178° (H)/178° (V)
- Diagonal screen size: 42 inch / 107 cm
- Display screen type: LCD Full HD W-UXGA Act. matrix
- Panel resolution: 1920 x 1080p
- Picture enhancement: Pixel Plus HD, Active Control + Light sensor, Colour Enhancement, 100 Hz Clear LCD, Colour Transient Improvement, Contrast Plus, Digital Noise Reduction, Dynamic contrast enhancement, Jagged Line Suppression, Luminance Transient Improver, Progressive scan, 2D/3D noise reduction, 1080p 24/25/30 Hz processing, 1080p 50/60 Hz processing
- Screen enhancement: Anti-Reflection coated screen
- Peak Luminance ratio: 65 %
- Colour cabinet: High gloss black deco front black cabinet

## Supported Display Resolution

### Computer formats

Resolution	Refresh rate
640 x 480	60 Hz
800 x 600	60 Hz
1024 x 768	60 Hz
1280 x 768	60 Hz
1280 x 1024	60 Hz
1360 x 768	60 Hz
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, 25, 30, 50, 60 Hz

## Sound

- Output power (RMS): 40 W virtual, Invisible Sound
- Sound Enhancement: Auto Volume Leveller, Dynamic Bass Enhancement, Incredible Surround, Treble and Bass Control, Clear Sound
- Sound System: Dolby Digital (AC-3), Nicam Stereo

## Convenience

- Child Protection: Child Lock+Parental Control
- Ease of Installation: Channel installation wizard, Settings assistant wizard, Device connection wizard, Auto Programme Naming, Automatic Channel Install (ACI), Automatic Tuning System (ATS), Fine Tuning, PLL Digital Tuning
- Ease of Use: Auto Volume Leveller (AVL), Graphical User Interface, On-Screen Display, Programme List, Settings assistant Wizard, Side Control, Demo mode, On-screen User manual, EasyLink, Favourite programme selection, Mozaïc channel grid, Simplified Remote Control
- Electronic Programme Guide: Now + Next EPG, 8-day Electronic Programme Guide\*
- Remote Control: TV
- Remote control type: PF01E10BB
- Automatic Screen Format: Autofill (no black bars), Autozoom (no distortion), Dynamic black bar detection, includes: 16:9, Widescreen, Superzoom, WSS/AFD format bit detection, Viewport link, Logo suppression, Dynamic subtitle shift, Format selection per input, PC signal mode
- Teletext: 1000-page Smart Text
- Firmware upgradeable: Firmware upgradeable via USB
- Multimedia: USB autobreak-in
- Smart mode: Personal, Vivid, Cinema, Game, Energy saving, Standard

## Multimedia Applications

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

## 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', DVB COFDM 2K/8K
- Video Playback: NTSC, SECAM, PAL
- Digital TV: DVB Terrestrial\*, DVB-T MPEG4\*, DVB-C MPEG4\*
- Tuner bands: Hyperband, S-Channel, UHF, VHF

## Connectivity

- Ext 1 Scart: Audio L/R, CVBS in, RGB

- Number of Scarts: 1
- Ext 3: YPbPr, Audio L/R in
- HDMI 1: HDMI v1.4 (Audio Return Ch.)
- HDMI 2: HDMI v1.3
- HDMI Side: HDMI v1.3
- Front/Side connections: HDMI v1.3, USB, Common Interface Slot (CI-CI+)
- Other connections: Headphone out, PC Audio in, PC-In VGA, S/PDIF out (coaxial), Common Interface
- EasyLink (HDMI-CEC): One touch play, EasyLink, Pixel Plus link (Philips), Remote control pass-through, System audio control, System standby
- Audio Output - Digital: Coaxial (cinch)
- Summary: 3 x HDMI, 1 x USB, 1 x SCART

## Power

- Green label: ECO label certified
- Ambient temperature: 5°C to 35°C
- Mains power: 220-240 V, 50-60 Hz
- Power consumption (typical): 98.2 W
- Standby power consumption: 0.15 W
- Annual energy consumption: 143.372 kWh
- Presence of lead: Yes\*
- Mercury content: 72 mg

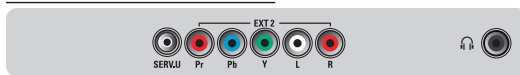
## Dimensions

- Compatible wall mount: adjustable 200 x 300 mm
- Set dimensions (W x H x D): 1034 x 644 x 83 mm
- Set dimensions with stand (W x H x D): 1034 x 692 x 270 mm
- Weight incl. Packaging: 16.44 kg
- Product weight: 11.38 kg
- Product weight (+stand): 13.38 kg
- Box dimensions (W x H x D): 1210 x 703 x 158 mm

## Accessories

- Included accessories: Tabletop stand, Power cord, Quick start guide, Registration card, Warranty certificate, Remote Control, 2 x AAA Batteries, Safety/legal instructions, Software declaration

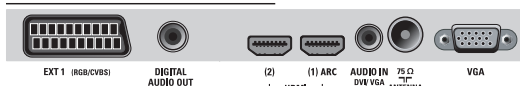
### REAR CONNECTORS



### SIDE CONNECTORS



### BOTTOM REAR CONNECTORS



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12 NC: 8670 000 58521  
EAN: 87 12581 52110 3

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\* 8 days EPG, service not available in all countries

\* 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.

\* 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 subscription are required. Contact your operator for more information.

\* Typical on-mode power consumption measured according to IEC62087 Ed 2.

\* Annual energy consumption is calculated using the typical power consumption of 4 hours per day, 365 days per year.

\* 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.