

PHILIPS

LCD TV

107cm (42")

integrated digital

42PFL7403D



Be part of the action.

Experience brilliant performance with a breathtaking full HD 1080p, 100Hz display. Combined with a powerful Pixel Plus 3HD engine, HD Natural Motion and exciting invisible sound, this Flat TV ensures you're always part of the action.

Connect, install and enjoy

- Enjoy photo and music playback via USB
- 4 HDMI inputs for full digital HD connection in one cable
- EasyLink: easy control of TV & connected device via HDMI CEC

See every detail of the action

- Pixel Plus 3 HD for most sharp and clear pictures
- Full HD LCD display, with a 1920x1080p resolution
- HD Natural Motion for ultra smooth motion in Full HD movies
- 100Hz LCD, 3ms performance for superb motion sharpness
- 4 trillion colors processing for vivid and brilliant images
- Dynamic contrast 30000:1 for incredible rich black details

Ready for digital

- Integrated Digital Tuner for DVB-T reception

Exciting and powerful sound

- Virtual Dolby Digital for a true life audio experience

Highlights

Pixel Plus 3 HD

Pixel Plus 3 HD offers the unique combination of ultimate sharpness, natural detail, vivid colors and smooth natural motion on all qualities of HD, standard TV signals and multimedia content, for high definition displays. Each pixel of the incoming picture is enhanced to better match the surrounding pixels, resulting in a more natural picture. Artifacts and noise in all sources from multimedia to standard TV and also in highly compressed HD are detected and reduced ensuring that the picture is clean and razor sharp.

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.

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.

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.

4 trillion colors processing

Vibrant and natural images from most advanced color processing. The 3 color channels (RGB) are optimized using 14 bit resolution, a total processing power of 4 trillion colors. It produces vibrant colors while retaining excellent sharpness. The advanced algorithms detect subtle color shades and skin tones, and processes these to give most natural colors.

Dynamic contrast ratio 30000:1

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.

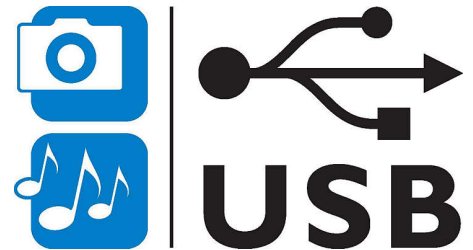
Integrated Digital DVB-T tuner

The integrated Digital DVB-T tuner lets you receive digital terrestrial TV without an additional set top box. Enjoy quality TV clutter free.

Virtual Dolby Digital

Virtual Dolby Digital is a processing technology for enhancing surround sound effects. It will create the sensation of Dolby Pro Logic without the necessity of additional rear speakers. You become totally immersed in your television experience.

USB for photo & music playback



The USB connector allows access to jpeg photos and mp3 music 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 photos and music.

4 HDMI inputs

HDMI makes an uncompressed digital RGB connection from the source to the screen for the ultimate picture quality. HDMI intelligently communicates the highest output resolution with the source device. The HDMI input is fully backward compatible with DVI sources and includes digital audio. 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. Your TV is fully prepared for the HD future.

Specifications

Picture/Display

Aspect ratio: Widescreen

Diagonal screen size (inch): 42 inch

Diagonal screen size (metric): 107 cm

Color cabinet: High gloss black deco front with black cabinet

Brightness: 500 cd/m²

Picture enhancement: Pixel Plus 3 HD, 3/2 - 2/2 motion pull down, 3D Combfilter, Active Control + Light sensor, Dynamic contrast enhancement, Progressive scan, 100Hz LCD, 1080p 24/25/30Hz processing, 1080p

50/60Hz processing, HD Natural Motion
Display screen type: LCD Full HD W-UXGA Act. matrix

Panel resolution: 1920x1080p

Dynamic screen contrast: 30.000:1

Response time (typical): 3 (BEW equiv.) ms

Viewing angle: 176° (H) / 176° (V)

Screen enhancement: Anti-Reflection coated screen

Color processing: 4 trillion colors (14bit RGB)

Supported Display Resolution

Computer formats: 640 x 480, 60Hz, 800 x 600, 60Hz, 1024 x 768, 60Hz, 1280 x 768, 60Hz, 1360 x 768, 60Hz, 1920 x 1080i, 60Hz, 1920 x 1080p, 60Hz

Video formats: 480i, 60Hz, 480p, 60Hz, 576i, 50Hz, 576p, 50Hz, 720p, 50, 60Hz, 1080i, 50, 60Hz, 1080p, 24, 50, 60Hz, 1080p, 24, 25, 30Hz

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 *

Video Playback: NTSC, SECAM, PAL

Multimedia Applications

Multimedia connections: USB

Playback Formats: MP3, Slideshow files (.alb), JPEG Still pictures, MPEG1, MPEG2

Convenience

Child Protection: Child Lock+Parental Control

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: 4 favorite lists, Auto Volume

Leveller (AVL), Delta Volume per preset, Graphical User Interface, On Screen Display, Program List, Settings assistant Wizard, Side Control

Screen Format Adjustments: 4:3, Auto Format, Movie expand 14:9, Movie expand 16:9, Subtitle and Heading Shift, Super Zoom, Widescreen, unscaled (1080p dot by dot)

Multimedia: Digital media reader (browser), USB autobreak-in

Electronic Program Guide: Now + Next EPG, 8 day Electronic Program Guide

Remote Control: TV

Remote control type: RC2143605

Teletext: 1200 page Hypertext

Firmware upgradeable: Firmware auto upgrade wizard, Firmware upgradeable via USB

Picture in Picture: Text dual screen

Teletext enhancements: Habit Watch, Program information Line

Smart mode: Game, Movie, Personal, Energy saving, Standard, Vivid

Sound

Output power (RMS): 2 x 15W

Sound Enhancement: Auto Volume Leveler, Digital Signal Processing, Dynamic Bass Enhancement, Graphic Equaliser, Smart Sound

Sound System: Virtual Dolby Digital, BBE

Loudspeakers

Built-in speakers: 2

Connectivity

EasyLink (HDMI-CEC): One touch play, System audio control, System standby

Front / Side connections: HDMI v1.3, S-video in, CVBS in, Audio L/R in, Headphone Out, USB

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

Ext 2 Scart: Audio L/R, CVBS in/out, RGB

Other connections: Analog audio Left/Right out, S/PDIF out (coaxial), Common Interface

Ext 3: YPbPr, Audio L/R in, VGA PC-in

Ext 4: HDMI v1.3

Ext 5: HDMI v1.3

Ext 6: HDMI v1.3

Power

Mains power: AC 220 - 240 V +/- 10%

Ambient temperature: 5 °C to 35 °C

Power consumption: 206 W

Standby power consumption: 0,15 W

Power (Energy saving mode): 150 W

Accessories

Included accessories: Power cord, Quick start guide, User Manual, Warranty certificate, Remote Control, Batteries for remote control

Dimensions

Box depth: 333 mm

Product weight: 21 kg

Set Width: 1046 mm

Wall mount compatible: 400 x 400 mm

Box height: 793 mm

Box width: 1151 mm

Set Height: 644 mm

Weight incl. Packaging: 42 kg

Set Depth: 88 mm

Set height (with stand): 716 mm

Set depth (with stand): 262 mm

Product weight (+stand): 25.5 kg

