



Philips  
flat HDTV with Pixel Plus 3  
HD and Ambilight Full  
Surround

- 107cm (42")
- LCD
- digital cable ready

42PF9831D



## Turn up your viewing experience

with Pixel Plus 3 HD and Ambilight

Enjoy the ultimate viewing experience with this Philips integrated HDTV with Pixel Plus 3 HD, Ambilight Full Surround and Clear LCD technology. Enjoy your multimedia content with the built in USB and Memory Card reader

### **Immersive viewing experience**

- HD LCD WXGA display, with a 1366 x 768p resolution
- Integrated HDTV and CableCARD for unrivalled picture quality
- Pixel Plus 3 HD for most sharp and clear pictures
- Clear LCD for extreme motion sharpness
- Ambilight Full Surround for immersive viewing experience

### **Unrivalled audio performance**

- Compact lambda/4 subwoofer technology for powerful deep bass

### **True beauty lies in the details**

- Matching stand with elegant design included

### **Perfect picture quality from your digital photos**

- USB and Memory-Card slot for instantly playing multimedia

### **For advanced performance**

- HDMI input for full digital HD connection in one cable

# PHILIPS

# Highlights

## LCD WXGA display, 1366 x 768p

This WXGA display with state-of-the-art LCD screen technology gives you widescreen HD resolution of 1366 x 768p pixels. It produces brilliant flicker-free progressive scan pictures with optimum brightness and superb colors. This vibrant and sharp image will provide you with an enhanced viewing experience.

## Digital Cable Ready

The CableCARD is a removable card distributed by the cable providers that is inserted in the TV. This enables the "Plug-and-Play DTV" functionality as agreed between cable operators and consumer electronics manufacturers. It allows the decoding of encrypted or scrambled content delivered from the cable system. CableCARD functionality includes conditional access and copy protection. A CableCARD-enabled television without a CableCARD inserted receives high-definition standard TV broadcasts. When a CableCARD is inserted, the television receives high-value high-definition, cable programming.

## 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.

## Clear LCD

Clear LCD creates extreme motion sharpness for clear and vibrant images even with fast on-screen motion. The high refresh rates of the scanning backlight technology increases the sharpness of motion reproduction to more than twice that of normal LCD (measured in Perceived Blur-Edge-Width; BEW). On top it creates a higher dynamic contrast and an increased viewing angle. The unique Philips technology brings motion sharpness of LCD displays to an unprecedented level, better than any other Flat display technology.

## Ambilight Full Surround

Ambilight 4 makes an impressive contribution to the overall viewing experience and the design of the TV. It produces a fully surrounding glow of light that complements the colors and light intensity on all 4 sides of the image and with the unique design creates a 'floating display'. The Ambilight is cast onto a reflective area that is an integrated part of the TV's unique design and makes it independent from TV position or mounting. The surrounding glow creates ambiance, stimulates more relaxed viewing, improves perceived picture detail, contrast and color, and will completely immerse you.

## Lambda/4 sound system

You want a deeper sound experience in music and movies. The integrated subwoofer with lambda/4 technology creates a very deep and powerful bass in a highly compact enclosure,

keeping the TV slim and flat. The lambda/4 subwoofer unit utilizes resonating acoustic masses in a system of ducts to produce powerful bass with low distortion. The lambda/4 sound system, combined with high quality midrange and tweeters also gives a very spacious stereo image.

## Bypacked tabletop stand

A table-top stand with matching design is packed with the set.

## USB and Memory Card slot

Instantaneously view and share your movies, photos and music. The Memory Card slot will accept cards of type Compact Flash I and II, Memory Stick, SD Card / Mini SD Card, Smart Media, Micro Drive (up to 2 GB) and Multi Media Card. Simply plug the memory card into slot at the side of the TV, and access the multimedia files stored on the card. The USB connector allows access to multimedia files of most USB-sticks and most digital cameras (USB memory-class device).

## HDMI input

HDMI makes an uncompressed digital RGB connection from the source to the screen. By eliminating conversion to an analog signal, it delivers an unblemished image. The non-degraded signal reduces flicker and leads to a clearer picture. HDMI intelligently communicates the highest output resolution with the source device. The HDMI input is fully backward compatible with DVI sources but includes digital audio. HDMI uses HDCP copy protection.



# Specifications

## Picture/Display

- Aspect ratio: 16:9
- Brightness: 550 cd/m<sup>2</sup>
- Dynamic screen contrast: 4500:1
- Viewing angle: 176° (H) / 176° (V)
- Diagonal screen size (inch): 42 inch
- Display screen type: LCD WXGA Active Matrix TFT
- Panel resolution: 1366 x 768p
- Picture enhancement: Pixel Plus 3 HD, 3/2 - 2/2 motion pull down, 3D Combfilter, Active Control + Light sensor, Clear LCD, Digital Crystal Clear, Dynamic contrast enhancement, Jagged Line Suppression, Progressive scan, Widescreen Plus
- Screen enhancement: Anti-Reflection coated screen
- Color cabinet: High Gloss Black & Brilliant Pearl

## Ambilight

- Ambilight Features: Ambilight Full Surround, Auto adaptive to video content, Efficient low energy lamp
- Color Settings: Full Multi Color
- Dimming Function: Manual and via Light Sensor
- Preset modes: 4 Active Adaptive modes

## Supported Display Resolution

### Computer formats

Resolution	Refresh rate
640 x 480	60Hz
800 x 600	60Hz
1024 x 768	60Hz

### Video formats

Resolution	Refresh rate
480i	60Hz
480p	60Hz
720p	60Hz
1080i	60Hz

## Sound

- Output power (RMS): 2x12W + 1x24 W
- Sound Enhancement: Digital Signal Processing, Dynamic Bass Enhancement, Graphic Equaliser
- Sound System: Virtual Dolby Digital

## Loudspeakers

- Built-in speakers: 5
- Loudspeaker types: Integrated subwoofer, Dome tweeter

## Multimedia Applications

- Digital Content Management: Digital Media Reader
- Memory Card Types: Compact Flash type I, Compact Flash type II, Memory Stick, Microdrive, MultiMedia Card (MMC), Secure Digital Card (SD), Smart Media Card
- Multimedia connections: USB, 7-in-1 Memory Card Reader
- Playback Formats: MP3, Slideshow files (.alb), JPEG Still pictures

## Tuner/Reception/Transmission

- Aerial Input: 75 ohm F-type
- TV system: ATSC, NTSC
- Video Playback: NTSC
- Cable: Unscrambled Digital Cable QAM, Digital Cable Ready CableCARD

## Connectivity

- AV 1: (1, 2, 3Fh autoranging), Audio L/R in, Component Video in, CVBS in, RGB+H/V, Y/C, YPbPr
- AV 2: Audio L/R in, CVBS, Y/C
- AV 3: (1, 2, 3Fh autoranging), S/PDIF digital coaxial, YPbPr
- AV 4: HDMI
- AV 5: HDMI
- Front / Side connections: Audio L/R in, CVBS in, Headphone Out, S-video in, 2x USB, Multi-slot memory card reader
- Other connections: Monitor out, CVBS, L/R (cinch), S/PDIF in (coaxial), S/PDIF out (coaxial), Cable Card Interface

## Convenience

- Child Protection: Child Lock+Parental Control
- Clock: Smart Clock
- Ease of Installation: Auto Program Naming, Automatic Tuning System (ATS), Autostore, PLL Digital Tuning, Plug & Play
- Ease of Use: Auto Volume Leveller (AVL), Channel list, Delta Volume per preset, Graphical User Interface, On Screen Display, Side Control, Smart Picture, Smart Sound
- Picture in Picture: HDMI-Component PIP
- Remote Control: Amp, DVD, STB (Set-Top Box), VCR, Multi-functional
- Remote control type: RC4411
- Screen Format Adjustments: 4:3, 6 Widescreen

- Modes, Auto Format, Movie expand 14:9, Movie expand 16:9, Subtitle and Heading Shift, Subtitle Zoom, Super Zoom, Widescreen
- Teletext: Closed Captioning Full Text
- VESA Mount: Vesa compliant

## Accessories

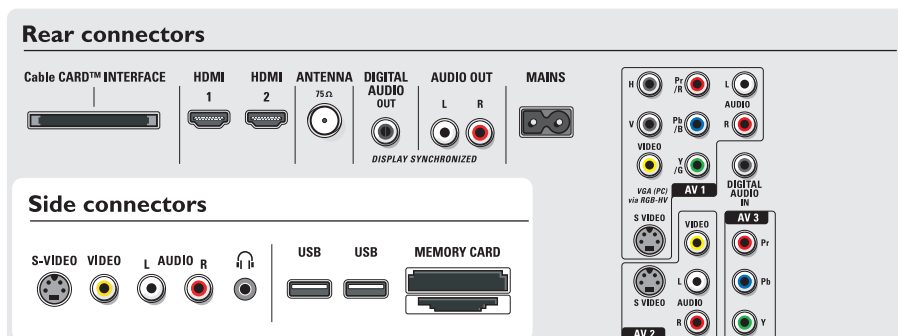
- Included accessories: Table top stand, RF antenna cable

## Dimensions

- Set dimensions in inch (W x H x D): 50.4 x 34.3 x 4.5 inch
- Set dimensions with stand in inch (W x H x D): 50.4 x 36.9 x 11.4 inch
- Weight incl. Packaging (lb): 136 lb
- Product weight (lb): 83.8 lb
- Box dimensions in inch (W x H x D): 53.3 x 47.7 x 13.3 inch
- VESA wall mount compatible: 800 x 400 mm

## Power

- Ambient temperature: 5 °C to 40 °C
- Mains power: AC 110 - 240 V +/- 10%
- Power consumption: 263 W
- Standby power consumption: 0.6



Issue date 2013-06-22

Version: 5.0.19

12 NC: 8670 000 23605  
UPC: 6 09585 11381 7

© 2013 Koninklijke Philips N.V.  
All Rights reserved.

Specifications are subject to change without notice.  
Trademarks are the property of Koninklijke Philips N.V.  
or their respective owners.

[www.philips.com](http://www.philips.com)