

Philips
widescreen flat TV

107cm (42")
LCD
HD Ready

42PF7421



Turn up your viewing experience

with Pixel Plus

Experience the superior picture quality of this excellent Flat TV with the latest LCD technology and Pixel Plus. It's packed into a stunning design that will complement your interior.

Superb sound reproduction

- Virtual Dolby Surround for a cinema-like audio experience

Slim, stylish design to complement your interior

- Compact and slim design that fits in every room

Breathtaking natural pictures

- HD Ready for the highest quality display of HD signals
- HD LCD WXGA display, with a 1366 x 768p resolution
- Pixel Plus for detail, depth and clarity
- Dynamic contrast enhancer delivering rich black details
- Progressive Scan component video for optimized image quality

Designed for your convenience

- View PC content in a second window on your TV

For advanced performance

- HDMI input for full digital HD connection in one cable

PHILIPS

widescreen flat TV
107cm (42") LCD, HD Ready

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.

HD Ready



Enjoy the exceptional picture quality of High Definition pictures and be fully prepared for HD sources like HDTV settop box or Blu-ray disc. HD Ready is a protected label that offers picture quality beyond that of progressive scan. It conforms to strict standards laid out by EICTA to offer a HD screen that displays the benefits of resolution and picture quality of a High Definition signal. It has a universal connection for both analog YPbPr and uncompressed Digital connection of DVI or HDMI, supporting HDCP. It can display 720p, and 1080i signals at 50 and 60Hz.

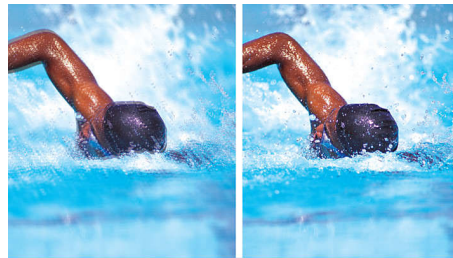
Pixel Plus

Pixel Plus is a digital picture processing technology that increases the number of lines and the number of pixels. The result is razor sharp pictures with incredible detail and depth, every time from any source.

Dynamic contrast enhancer

You want the LCD flat display with the highest contrast and most vibrant images even at wide viewing angle. The Philips dynamic contrast enhancer uses video processing and unique dimming backlight technology. This delivers deep rich black levels with increased detail. The dimming backlight increases the contrast up to 5 times*, and at the same time improves the viewing angle. It gives a bright, lifelike picture with high contrast and vibrant colors, (* factor between 2 and 5, screen type and picture content dependant).

Progressive Scan



Progressive Scan doubles the vertical resolution of the image resulting in a noticeably sharper picture. Instead of sending a field comprising the odd lines to the screen first, followed by the field with the even lines, both fields are written at one time. A full image is created instantaneously, using the maximum resolution. At such a speed, your eye perceives a sharper picture with no line structure.

Virtual Dolby Surround

Virtual Dolby Surround is a processing technology for enhancing surround sound effects. It will create the sensation of Dolby Pro Logic without the necessity of additional

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rear speakers. You become totally immersed in your television experience.

Compact and slim design

This design style emphasizes a slim, compact look that saves space and fits in anywhere.

Picture in Graphics

Picture-in-Graphics is a small window in the main picture, allowing to watch data/graphics in your main TV screen. It provides the ability to simultaneously watch data/graphics and the TV.

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, Widescreen
- Diagonal screen size (inch): 42 inch
- Diagonal screen size (metric): 107 cm
- Color cabinet: Silver Frost Bi-Color with Tempered Glass Deco Front
- Panel resolution: 1366 x 768p
- Brightness: 550 cd/m²
- Picture enhancement: Pixel Plus, 3/2 - 2/2 motion pull down, 3D Combfilter, Active Control, Contrast Plus, Digital Noise Reduction, Jagged Line Suppression, Luminance Transient Improver, Progressive scan
- Display screen type: LCD WXGA Active Matrix TFT
- Dynamic screen contrast: 2800:1
- Response time (typical): 8 ms
- Viewing angle (horizontal): 178 degree
- Viewing angle (vertical): 178 degree
- Screen enhancement: Anti-Reflection coated screen

Supported Display Resolution

- Computer formats: 640 x 480, 60, 67, 72, 75Hz, 800 x 600, 56, 60, 72, 75Hz, 1024 x 768, 60, 70, 75Hz
- Video Formats: 640 x 480p - 2Fh, 720 x 576p - 2Fh, 1280 x 720p - 3Fh, 1920 x 1080i - 2Fh

Tuner/Reception/Transmission

- Aerial Input: 75 ohm coaxial (IEC75)
- Tuner bands: Hyperband, S-Channel, UHF, VHF
- TV system: PAL, SECAM
- Number of Preset Channels: 100
- Video Playback: NTSC, PAL, SECAM
- Tuner Display: PLL

Convenience

- Child Protection: Child Lock
- Ease of Installation: Auto Program Naming, Autostore, Fine Tuning, Program Name, Sorting
- Ease of Use: Program List, Side Control, Smart Picture, Smart Sound
- Clock: Sleep Timer, Wake up Clock
- Screen Format Adjustments: 4:3, Movie expand 14:9, Movie expand 16:9, Subtitle Zoom, Super Zoom, Widescreen
- Remote Control: TV, DVD, Multi-functional
- Remote control type: RCFE06FRS00

- Teletext: 10 page Smart Text
- VESA Mount: 800 x 400 mm
- Picture in Picture: Picture in graphics, Twin page text
- Teletext enhancements: 4 favourite pages, Program information Line

Sound

- Equalizer: 5-bands
- Output power (RMS): 2 x 15W
- Sound System: Virtual Dolby Surround
- Sound Enhancement: Dynamic Bass Enhancement

Loudspeakers

- Built-in speakers: 4
- Loudspeaker types: Dome tweeter

Connectivity

- AV 1: Audio L/R in, YPbPr (2Fh)
- Number of AV connections: 5
- AV 2: Audio L/R in, CVBS
- AV 3: Audio L/R in, VGA PC-in, YPbPr (2Fh)
- AV 4: HDMI
- Front / Side connections: Audio L/R in, CVBS in, Headphone Out, S-video in
- AV 5: HDMI
- Other connections: Antenna IEC75

Power

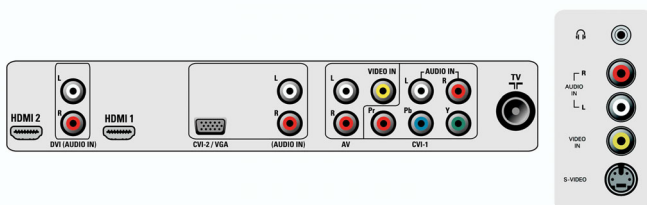
- Mains power: AC 220 - 240 V +/- 10%
- Ambient temperature: 5 °C to 40 °C
- Power consumption: 90 W Normal Operation W
- Standby power consumption: < 1 W

Accessories

- Included accessories: Table top stand, Wall mounting bracket, Power cord, Quick start guide, User Manual, Warranty certificate, Remote Control, Batteries for remote control
- Optional accessories: Floor stand

Dimensions

- Product weight: 32 kg
- Box width: 1364 mm
- Box height: 957 mm
- Box depth: 330 mm
- Weight incl. Packaging: 47 kg
- Width (with base): 1249 mm
- Height (with base): 760 mm



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