



Philips
widescreen flat TV with
Pixel Plus

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.

Breathtaking natural pictures

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

Slim, stylish design to complement your interior

- Compact and slim design that fits in every room

Superb sound reproduction

- Virtual Dolby Surround for a cinema-like audio experience

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

sense and simplicity

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.

Compact and slim design

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

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

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
- Brightness: 550 cd/m²
- Dynamic screen contrast: 2800:1
- Response time (typical): 8 ms
- Viewing angle (H / V): 178 / 178 degree
- Diagonal screen size: 42 inch / 107 cm
- Display screen type: LCD WXGA Active Matrix TFT
- Panel resolution: 1366 x 768p
- 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
- Screen enhancement: Anti-Reflection coated screen
- Color cabinet: Silver Frost Bi-Color with Tempered Glass Deco Front

Supported Display Resolution

Computer formats

Resolution	Refresh rate
640 x 480	60, 67, 72, 75Hz
800 x 600	56, 60, 72, 75Hz
1024 x 768	60, 70, 75Hz

Video Formats

Resolution	Refresh rate
640 x 480p	2Fh
720 x 576p	2Fh
1280 x 720p	3Fh
1920 x 1080i	2Fh

Sound

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

Loudspeakers

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

Tuner/Reception/Transmission

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

Connectivity

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

Convenience

- Child Protection: Child Lock
- Clock: Sleep Timer, Wake up Clock
- Ease of Installation: Auto Program Naming, Autostore, Fine Tuning, Program Name, Sorting
- Ease of Use: Program List, Side Control, Smart Picture, Smart Sound
- Picture in Picture: Picture in graphics, Twin page text
- Remote Control: TV, DVD, Multi-functional
- Remote control type: RCFE06FRS00
- Screen Format Adjustments: 4:3, Movie expand 14:9, Movie expand 16:9, Subtitle Zoom, Super Zoom, Widescreen
- Teletext: 10 page Smart Text
- Teletext enhancements: 4 favourite pages, Program information Line
- VESA Mount: 800 x 400 mm

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

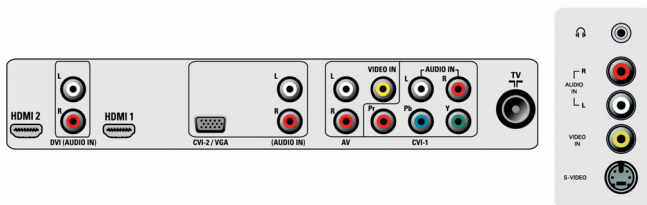
Dimensions

- Dimensions (with base) (W x H x D): 1249 x 760 x 305 mm
- Dimensions (without base) (W x H x D): 1249 x 697 x 111 mm
- Weight incl. Packaging: 47 kg
- Product weight: 32 kg
- Box dimensions (W x H x D): 1364 x 957 x 330 mm

Power

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

Stereo system					Transmission system					
NICAM DK	2CS BG	NICAM I	NICAM BG	NICAM LL	PAL BG	PAL D/K	PAL I	SECAM BG	SECAM DK	SECAM LL
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