



Philips Cineos
Flat TV with Pixel Plus 2
HD

107 cm (42")
LCD
integrated digital

CINEOS

42PFL7862D



Turn up your viewing experience

with Pixel Plus 2 HD

Enjoy the ultimate viewing experience of this Philips Cineos Flat TV Pixel Plus 2 HD Engine, a Full HD 1080p display and 100 Hz LCD technology. The USB connector gives you full access to multimedia content.

Immersive viewing experience

- Full HD LCD display, with a 1920 x 1080p resolution
- Integrated Digital Tuner for DVB-T reception
- HD Ready for the highest quality display of HD signals
- Pixel Plus 2 HD for great details, depth and clarity
- 100 Hz LCD for superb motion sharpness (4 ms)
- HD Natural Motion for ultra-smooth motion in Full HD movies

True beauty lies in the details

- Matching design swivel stand

Perfect picture quality from your digital photos

- USB Connector for easy, instant multimedia playing

For advanced performance

- 3 HDMI inputs for full digital HD connection in one cable

PHILIPS

Flat TV
107 cm (42") LCD, integrated digital

42PFL7862D/10

Highlights

Full HD LCD display 1920 x 1080p

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 sources such as 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 colours.

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.

HD Ready

Enjoy the exceptional picture quality of High Definition pictures and be fully prepared for HD sources like HDTV set-top boxes and Blu-ray discs. 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 an HD screen that displays the benefits of the resolution and picture quality of a High Definition signal. It has a universal connection for both analogue YPbPr and uncompressed Digital connection of DVI or HDMI, supporting

HDCP. It can display 720p, and 1080i signals at 50 and 60 Hz.

Pixel Plus 2 HD

Pixel Plus 2 HD offers the unique combination of ultimate sharpness, natural detail, increased depth, vivid colours and smooth and natural motion from standard TV, High Definition signals and multimedia sources. Each pixel of the incoming picture is enhanced to better match the surrounding pixels, resulting in a more natural picture. Artefacts in compressed multimedia content are detected and reduced, ensuring that the picture is clean and razor sharp. Digital noise reduction ensures that the picture is perfectly smooth yet razor sharp.

100 Hz LCD

100 Hz LCD creates superb motion sharpness for clear and vibrant images even with fast on-screen motion. The Double Frame Rate Insertion works with a high 100 Hz refresh rate. It increases the sharpness of motion reproduction to more than twice that of conventional LCD (measured in Perceived Blur-Edge-Width; BEW). This unique Philips technology brings motion sharpness of LCD displays to an unprecedented level.

Pre-mounted swivel stand

For maximum freedom of placement, this high-quality stand is designed specifically for this TV.

The stand comes pre-mounted to the TV out of the box. It allows easy placement of your Flat TV without the hassle of building the stand to the TV first. Enjoy the best viewing angle by swivelling it to suit your personal preference.

USB Multimedia Connector

The USB connector allows access to multimedia jpg, mp3 and alb files of most USB sticks and most digital cameras (USB 1.1 memory-class device). Plug the USB into the slot at the side of the TV and access your photos or music files. This makes it easy to view and share your photos and music.

3 HDMI inputs

HDMI makes an uncompressed digital RGB connection from the source to the screen. By eliminating conversion to an analogue 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 backwards-compatible with DVI sources but includes digital audio. HDMI uses HDCP copy protection. With 3 HDMI inputs you can connect multiple HD sources, such as an HD set-top box and a Blu-ray player. Your TV is fully prepared for the HD future.



Specifications

Picture/Display

- Colour cabinet: Anthracite dark
- Aspect ratio: 16:9
- Brightness: 550 cd/m²
- Contrast ratio (typical): 1200:1
- Dynamic screen contrast: 8000:1
- Response time (typical): 4 (BEV equiv.) ms
- Viewing angle: 176° (H)/176° (V)
- Diagonal screen size: 42 inch / 107 cm
- Display screen type: LCD Full HD W-UXGA Act. matrix
- Panel resolution: 1920 x 1080p
- Colour processing: 4 trillion colours (14-bit RGB)
- Picture enhancement: Pixel Plus 2 HD, HD Natural Motion, Dynamic contrast enhancement, 1080p 50/60 Hz processing, 1080p 24/25/30 Hz processing, 3/2 - 2/2 motion pull down, 3D Combfilter, Active Control + Light sensor, Jagged Line Suppression, Progressive scan, Pulse Killer Chip, Widescreen Plus, 100 Hz LCD, Double frame rate
- Screen enhancement: Anti-Reflection coated screen

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
1360 x 768	60 Hz
1920 x 1080i	60 Hz
1920 x 1080p	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 Hz
1080p	24, 50, 60 Hz

Sound

- Output power (RMS): 2 x 8 W
- Sound Enhancement: Digital Signal Processing, Graphic Equalizer, Dynamic Bass Enhancement
- Sound System: Virtual Dolby Digital, BBE

Loudspeakers

- Built-in speakers: 4
- Loudspeaker types: Integrated woofers with wOOx, Dome tweeter

Convenience

- Child Protection: Child Lock+Parental Control
- Clock: Smart Clock
- Ease of Installation: Auto Programme Naming, Automatic Channel Install (ACI), Automatic Tuning System (ATS), Autostore, PLL Digital Tuning, Plug and Play
- Ease of Use: 4 favourite lists, Auto Volume Leveller (AVL), Delta Volume per preset, Graphical User Interface, On-Screen Display, Programme List, Settings assistant Wizard, Side Control
- Electronic Programme Guide: Now + Next EPG, 8-day Electronic Programme Guide
- Remote Control: TV
- Remote control type: RC4350
- Screen Format Adjustments: unscaled (1080p dot by dot), 4:3, 6 Widescreen Modes, Auto Format, Movie expand 14:9, Movie expand 16:9, Subtitle and Heading Shift, Super Zoom, Widescreen
- Picture in Picture: Text dual screen
- Teletext: 1200-page Hypertext
- Teletext enhancements: Habit Watch, Programme information Line
- Firmware upgradeable: Firmware auto upgrade wizard, Firmware upgradeable via USB
- Multimedia: Digital media reader (browser), USB autobreak-in

Multimedia Applications

- Multimedia connections: USB
- Playback Formats: MP3, Slideshow files (.alb), JPEG Still pictures

Tuner/Reception/Transmission

- Aerial Input: 75 ohm coaxial (IEC75)
- TV system: DVB COFDM 2K/8K
- Video Playback: NTSC, SECAM, PAL
- Digital TV: DVB Terrestrial*
- Tuner bands: Hyperband, S-Channel, UHF, VHF

Connectivity

- Ext 1 Scart: Audio L/R, CVBS in/out, RGB
- Ext 2 Scart: Audio L/R, CVBS in/out, RGB
- Ext 3: YPbPr, Audio L/R in
- Ext 4: HDMI v1.3
- Ext 5: HDMI v1.3

- Ext 6: HDMI v1.3
- HDMI features: Cable equalization, Category 1 and 2 cables, Compressed audio, Multi-rate pref. format support, PC format support, Resolutions 720p, 1080i, 1080p
- Front/Side connections: Audio L/R in, CVBS in, Headphones Out, S-video in, USB
- Other connections: Analogue audio Left/Right out, S/PDIF out (coaxial), Common Interface

Power

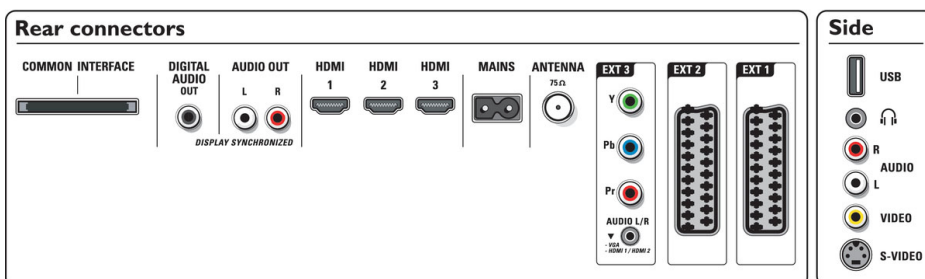
- Ambient temperature: 5°C to 35°C
- Mains power: AC 220-240 V +/- 10%
- Power consumption: 232 W
- Standby power consumption: 0.8 W

Accessories

- Included accessories: Tabletop swivel stand, RF antenna cable

Dimensions

- Set dimensions (W x H x D): 1060 x 675 x 125 mm
- Set dimensions with stand (H x D): 740 x 256 mm
- Product weight: 26.6 kg
- Product weight (+stand): 30.2 kg
- Box dimensions (W x H x D): 1160 x 881 x 310 mm
- Weight incl. Packaging: 37 kg
- VESA wall mount compatible: 600 x 400 mm



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