

Philips
flat HDTV

107cm (42")
LCD

42PF9730A



Turn up your viewing experience

with Pixel Plus 2 HD and Ambilight

Enjoy the ultimate viewing experience with this Philips integrated HDTV with Pixel Plus 2 HD, Ambilight and the latest LCD technology. Share music and photos via the built-in USB and memory-card reader.

Advanced connection to your audio/video products

- HDMI input for full digital HD connection in one cable

Enjoy your favorite movies, photos and music

- USB and Memory-Card slot for instantly playing multimedia

Be an eyewitness

- HD LCD WXGA display, with a 1366 x 768p resolution
- Integrated HDTV and CableCARD for unrivalled picture quality
- Enjoy HDTV that's truer than anything you've seen before
- Pixel Plus 2 HD for great details, depth and clarity
- Active Control with Light Sensor optimizes picture quality

Add a new dimension to your viewing

- Full-color ambient lighting enhances the viewing experience

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.

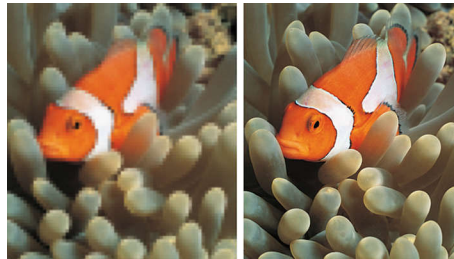
Digital Cable Ready

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.

HDTV

HDTV delivers exceptional picture quality and real movie-viewing experience that makes television more dynamic, truer than anything you've seen before. It is the latest and best television signal available. It features picture quality more than twice that of traditional analog broadcasts. In order to effectively maximize the HDTV signal, a television must incorporate advanced signal input connectivity and circuitry design.

Pixel Plus 2 HD



Pixel Plus 2 HD offers the unique combination of ultimate sharpness, natural detail, increased depth, vivid colors 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. Artifacts 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.

Ambilight

The full-color ambient lights offers you relaxed viewing and a unique ambiance via a soft light glow on the walls surrounding the TV. Research has shown that watching television with adapted ambient lighting promotes more relaxed TV viewing. The Ambilight colors automatically adapt to the images on the screen to add a new sensation to the viewing experience. The light can also be switched to fixed colors or various shades of white. In standby mode, the lights can be operated to any color and create a unique ambiance in the room.

Active Control + Light Sensor

Active Control is a unique and intelligent way of optimizing picture quality by measuring and

analyzing the incoming signal to automatically adjust picture quality settings. Active Control with Light Sensor uses a sensor to adjust the picture brightness depending on the room light conditions.

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
- Contrast ratio (typical): 500:1
- Response time (typical): 8 ms
- Viewing angle (horizontal): 176 degree
- Viewing angle (vertical): 176 degree
- Diagonal screen size (inch): 42 inch
- Diagonal screen size (metric): 107 cm
- Panel resolution: 1366 x 768p
- Picture enhancement: Pixel Plus 2 HD, Dynamic contrast enhancement, 3D Combfilter, Active Control + Light sensor, Jagged Line Suppression, Progressive scan, Widescreen Plus
- Brightness: 400 cd/m²
- Dynamic screen contrast: 3500:1
- Color cabinet: Pearl White Silver (11092)
- Display screen type: LCD WXGA Active Matrix TFT
- Screen enhancement: Anti-Reflection coated screen

Supported Display Resolution

- Computer formats: 640 x 480, 60Hz, 800 x 600, 60Hz, 1024 x 768, 60Hz, 1366 x 768, 60Hz
- Video Formats: 1280 x 720p - 3Fh, 1920 x 1080i - 2Fh, 640 x 480i - 1Fh, 640 x 480p - 2Fh, 720 x 576i - 1Fh, 720 x 576p - 2Fh

Sound

- Output power (RMS): 2x15W
- Sound System: Virtual Dolby Digital
- Sound Enhancement: Auto Volume Leveler, Digital Signal Processing, Graphic Equaliser, Dynamic Bass Enhancement

Loudspeakers

- Built-in speakers: 2

Convenience

- Child Protection: Child Lock+Parental Control
- Clock: Smart Clock
- Ease of Use: Channel list, Delta Volume per preset, On Screen Display, Side Control, Smart Picture, Smart Sound
- Remote Control: Amp, CBL, DVD, DVD-R, Sat, STB (Set-Top Box), VCR, Universal and Learnable
- Screen Format Adjustments: 7 Widescreen Modes,

- Auto Format, Subtitle and Heading Shift
- Ease of Installation: Automatic Tuning System (ATS), Autostore, PLL Digital Tuning, Plug & Play
- Remote control type: RC4318
- Teletext: Closed Captioning Full Text
- Picture in Picture: HDMI-Component PIP

Multimedia Applications

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

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

- Other connections: Monitor out, CVBS, L/R (cinch), S/PDIF in (coaxial), S/PDIF out (coaxial), Cable Card Interface
- AV 1: (1, 2, 3Fh autoranging), Audio L/R in, Component Video in, CVBS in, RGB+H/V, YPbPr, Y/C
- 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

Power

- Mains power: AC 110-120V (+/-10%)
- Power consumption: 292 W
- Standby power consumption: <2
- Ambient temperature: 5 °C to 40 °C

Dimensions

- Product weight (lb): 77.2 lb
- Wall mount compatible: 800 x 400 mm
- Product dimension (WxDxH) inch: 48.8 x 26.8 x 4.1" inch

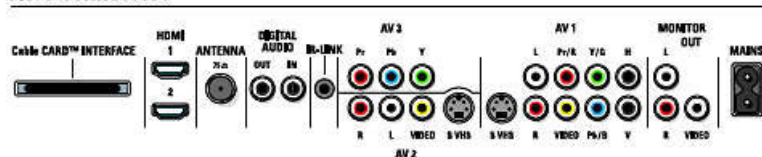
Accessories

- Included accessories: Table top stand

Ambilight

- Ambilight Features: 2 Channel Left/Right control, Auto adaptive to video content
- Color Settings: Full Multi Color
- Dimming Function: Manual and via Light Sensor
- Preset modes: 4 Active Adaptive modes, 2 Preset & 1 Personal color

Rear connectors



Side connectors



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