

Philips Matchline
widescreen flat TV

107cm (42")

plasma
Progressive Scan

42PF9946



Superior picture quality

with the latest in Plasma technology

An elegantly designed TV that you can hang on the wall is now a reality. This Flat TV delivers best-in-class picture quality for your home entertainment set up.

Vivid, natural and razor sharp images

- Digital Crystal Clear provides vivid cinema-like images
- Progressive Scan component video for optimized image quality
- 3D combfilter separates colors for a razor-sharp image
- Active Control with Light Sensor optimizes picture quality

Impressive sound

- Virtual Dolby Surround for a cinema-like audio experience

PHILIPS

widescreen flat TV
107cm (42") plasma, Progressive Scan

Specifications

Picture/Display

- Aspect ratio: 16:9
- Diagonal screen size (inch): 42 inch
- Diagonal screen size (metric): 107 cm
- Panel resolution: 852 x 480p
- Brightness: 1000 cd/m²
- Contrast ratio (typical): 3000:1
- Picture enhancement: Digital Crystal Clear, Progressive scan, Comb Filter Digital, Active Control + Light sensor, 3/2 - 2/2 motion pull down, Widescreen Plus
- Display screen type: WVGA Plasma panel
- Response time (typical): 16 ms
- Viewing angle (horizontal): 160 degree
- Screen enhancement: Anti ageing circuit, 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

Tuner/Reception/Transmission

- Aerial Input: 75 ohm coaxial (IEC75)
- Tuner bands: Hyperband, S-Channel, UHF, VHF
- TV system: NTSC, PAL, SECAM
- Video Playback: NTSC, PAL, SECAM

Convenience

- Ease of Installation: Auto Volume Leveler, Autostore, PLL Digital Tuning, Plug & Play
- Ease of Use: On Screen Display, Smart Picture, Top Controls
- Screen Format Adjustments: 6 Widescreen Modes,

- Auto Format, Subtitle and Heading Shift
- Remote Control: Multi-functional
- Remote control type: RC4335/01
- Teletext: 10 page Smart Text
- Picture in Picture: Picture in graphics, Twin page text

Sound

- Output power (RMS): 2 x 15W
- Sound System: Virtual Dolby Surround
- Sound Enhancement: Smart Sound

Loudspeakers

- Built-in speakers: 2

Connectivity

- AV 1: Audio L/R in, CVBS in, YPbPr(1Fh)
- AV 2: Audio L/R in, CVBS, S-Video Y/C
- Other connections: Analog audio Left/Right out, Antenna IEC75, HDMI, PC-in VGA + Audio L/R in

Power

- Mains power: AC 90 - 276V +/- 10%
- Ambient temperature: 5 °C to 40 °C
- Power consumption: 200 W
- Standby power consumption: < 4 W

Accessories

- Included accessories: Mini-jack to CVBS-L/R cable, VGA to YPbPr-Cinch cable, Wall mounting bracket
- Optional accessories: Floor stand, Table top stand

Dimensions

- Product weight: 42 kg
- Weight incl. Packaging: 47 kg

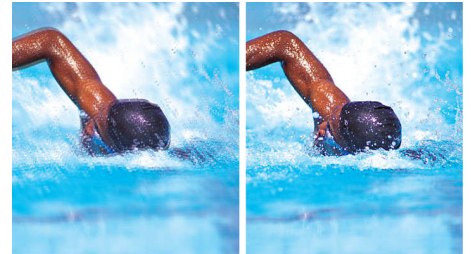
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Highlights

Digital Crystal Clear

Digital Crystal Clear is a package of picture innovations that digitally adjusts and optimizes picture quality to optimal contrast, color and sharpness levels. It's like watching vivid cinema-like images.

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.

3D Combfilter

The 3D comb filter separates brightness and color signals better in 3D domain to eliminate cross-color, cross-luminance and dot-crawl distortion - all of which detract from your viewing pleasure. The 3D digital comb filter performs field-by-field comparisons of the television image to accurately separate the color from the black-and-white information and remove both horizontally and vertically hanging dots, as well as dot crawl. The result is a razor sharp image.

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.

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.



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