



Philips  
commercial flat HDTV

127 cm (50")  
plasma

50FW9220

## Superior picture quality

with the latest in Plasma technology

The ultimate High Definition-ready, Flat TV that offers Digital Natural Motion picture quality with the latest Plasma technology, packed in a stunning design. Integrated SmartPlug™ provides seamless pay-per-view system connectivity.

### **Interactive System Prepared, Future Proof**

- SmartPlug Xpress interface
- Future proof by software upgradability

### **Reduced installation Time**

- Total Program Control
- Wireless SmartLoader for fast cloning

### **Vivid, natural and razor sharp images**

- High Definition plasma WXGA display, 1366 x 768p
- Digital Natural Motion for smooth moving images
- 3D combfilter separates colors for a razor-sharp image
- Active Control optimizes picture quality whatever the source

### **Superb sound reproduction**

- Virtual Dolby Surround for a cinema-like audio experience

**PHILIPS**  
sense and simplicity

# Specifications

## Picture/Display

- Aspect ratio: 16:9
- Brightness: 1000 cd/m<sup>2</sup>
- Contrast ratio (typical): 1000:1
- Diagonal screen size: 50 inch / 127 cm
- Display screen type: Plasma HD panel
- Picture enhancement: Digital Crystal Clear, Progressive scan, 3D Combfilter, Active Control + Light sensor, Digital Natural Motion, Jagged Line Suppression, Movie Plus, Widescreen Plus
- Color cabinet: Pearl White Silver (11092)
- Screen enhancement: Anti ageing circuit, Anti-Reflection coated screen
- Viewing angle (H / V): 160 / 160 degree
- Panel resolution: 1366 x 768p

## Supported Display Resolution

### Computer formats

Resolution	Refresh rate
640 x 480	60Hz
800 x 600	60Hz
1024 x 768	60Hz

### Video Formats

Resolution	Refresh rate
640 x 480i	1Fh
640 x 480p	2Fh
720 x 576i	1Fh
720 x 576p	2Fh
1280 x 720p	3Fh
1920 x 1080i	2Fh

## Sound

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

## Loudspeakers

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

## Convenience

- Ease of Installation: Automatic Tuning System (ATS), PLL Digital Tuning, Plug & Play
- Ease of Use: 9-channel smart surf list, Backlighted

- side controls, Channel list, Delta Volume per preset, Smart Picture, Smart Sound
- Remote control type: RC4307
- Teletext: Closed Captioning Full Text
- Picture in Picture: Full dual screen (2 tuners), Mozaic
- Remote Control: Universal
- Remote control: TV, VCR, DVD/R, SAT, CBL, AMP
- Screen Format Adjustments: 6 Widescreen Modes, Auto Format, Subtitle and Heading Shift
- Clock: Smart Clock
- Child Protection: Child Lock+Parental Control

## Tuner/Reception/Transmission

- TV system: NTSC
- Video Playback: NTSC
- Aerial Input: 75 ohm F-type

## Connectivity

- Other connections: Analog audio Left/Right out, Centre Speaker connection in, Monitor out, CVBS, L/R (cinch), Subwoofer out
- AV 1: (1, 2, 3Fh autoranging), Audio L/R in, Component Video in, Y/C, YPbPr
- AV 2: (1, 2, 3Fh autoranging), Audio L/R in, Component Video in, CVBS, RGB+H/V, Y/C, YPbPr
- AV 3: Audio L/R in, HDCP, HDMI (Digital Stream & S/PDIF)

## Power

- Power consumption: 600W (tbc) W
- Standby power consumption: <2
- Mains power: AC 110-120V (+/-10%)
- Ambient temperature: 5 °C to 40 °C

## Dimensions

- Product weight: 58 kg
- Weight incl. Packaging: 70 kg

## Accessories

- Included accessories: HDMI-DVI adapter cable, Table top stand, Wall mounting bracket
- Optional accessories: 5 in one connection cable, Table top Stand with Swivel



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# Highlights

## SmartPlug Xpress

The SmartPlug Xpress communication port (RJ-12) is compatible with all major premium entertainment services. The protocols enables the TV connection with external decoders, set-top boxes and PC based solutions.

## Upgradable software

The upgradable software architecture ensures that the TV is future proof and compatible with new technologies and developments, securing your investment.

## Total Program Control

Locks in commercial customized settings and features with a master TV set-up, significantly reducing installation time. Ensures uniformity across displays and prevents guests from altering pre-set formats.

## Wireless SmartLoader

Provides the ability to copy easy and wireless all programming settings from one TV set into other TV sets in less than a minute. The feature ensures uniformity between TV sets and significantly reduces installation time and costs.

## Plasma WXGA panel, 1366 x 768p

This state-of-the-art plasma screen technology gives you widescreen HD resolution of up to 1366 x 768p pixels. It produces brilliant flicker-free progressive scan pictures in with optimum brightness and superb colors. This vibrant and sharp image will provide you with an enhanced viewing experience.

## Digital Natural Motion

Philips invented Digital Natural Motion to eliminate juddering effects that are visible with moving picture content. Digital Natural Motion estimates motion in the picture and corrects juddering movements in both broadcast and recorded movie material (such as DVD). The resulting smooth motion reproduction and excellent sharpness take the viewing experience to a higher level.

## 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

Active Control ensure that noise and sharpness improvements are continuously made at a rate of 60 times per second. By continually adjusting picture setting over 3,000 times per minute, Active Control Plus ensures that the viewing experience is optimized.

## 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.