



Philips  
professional flat TV with  
Digital Crystal Clear

23"

LCD

23HF9472



## System Prepared Flat TV

Specially designed for in-room entertainment

This LCD TV with integrated (alarm) clock offers a razor sharp image with vivid colors and a large viewing angle. Combined with the optional SmartCard XPress unit it is fully prepared for interactive services and in-room entertainment.

### Advanced hotel features and future proof

- Integrated clock display with wake up and message alarm
- Wireless SmartLoader for fast cloning
- Welcome message on screen display
- Volume limitation
- Front Controls Locking
- Switch On Channel Programming
- Security Menu Access
- Built-in FM radio
- External loudspeaker connector

### Interactive System Prepared, Future Proof

- SmartCard Xpress Box compatible for interactive systems
- Additional integrated power supply
- Serial Xpress™ Control interface

**PHILIPS**  
sense and simplicity

## Specifications

### Picture/Display

- **Aspect ratio:** Widescreen
- **Brightness:** 450 cd/m<sup>2</sup>
- **Contrast ratio (typical):** 400:1
- **Diagonal screen size:** 23 inch / 58 cm
- **Display screen type:** LCD WXGA Active Matrix TFT
- **Picture enhancement:** Digital Crystal Clear, Progressive Scan, 2D Combfilter, 3/2 - 2/2 motion pull down, Color Transient Improvement, Digital Noise Reduction, Jagged Line Suppression, Luminance Transient Improver, Sharpness Adjustment, Active Control
- **Screen enhancement:** Anti-Reflection coated screen
- **Viewing angle (H / V):** 176 / 176 degree
- **Panel resolution:** 1280 x 768p
- **Response time (typical):** 25 ms

### Sound

- **Sound System:** Nicam Stereo
- **Output power (RMS):** 2x5W
- **Music Power:** 20 W
- **Sound Enhancement:** Smart Sound

### Loudspeakers

- **Built-in speakers:** 2

### Convenience

- **Ease of Installation:** Fine Tuning, Program Name, PLL Digital Tuning
- **Ease of Use:** Auto Volume Leveller (AVL), FM Radio, Smart Picture Control, Smart Sound Control, On Screen Display
- **Remote control type:** RC2886
- **Teletext:** 10 page Smart Text
- **Teletext enhancements:** 4 favourite pages
- **Remote Control:** TV
- **Screen Format Adjustments:** 7 Widescreen Modes, Auto Format
- **Clock:** Sleep Timer, Wake up Clock
- **VESA Mount:** 100 x 100 mm

### Tuner/Reception/Transmission

- **Tuner bands:** FM, Hyperband, S-Channel, UHF,

### VHF

- **TV system:** PAL B/G, PAL D/K, PAL I, SECAM B/G, SECAM D/K, SECAM L/L'
- **Video Playback:** NTSC, PAL, SECAM
- **Aerial Input:** 75 ohm coaxial (IEC75)
- **Tuner Display:** PLL
- **Number of Preset Channels:** 127

### Connectivity

- **Ext 1 Scart:** Audio L/R, CVBS in/out, RGB
- **Ext 2 Scart:** Audio L/R, CVBS in/out, Y/C
- **Other connections:** Antenna IEC75, FM Antenna, PC-in VGA + Audio L/R in, Analog audio Left/Right out
- **Front / Side connections:** Audio in, CVBS in
- **Connectivity Enhancements:** RJ12 connector, RJ45 connector

### Power

- **Power consumption:** 97 W
- **Standby power consumption:** < 3 W
- **Ambient temperature:** 5 °C to 40 °C
- **Mains power:** AC 90V - 240V 50/60 Hz

### Dimensions

- **Product dimensions (WxDxH):** 691x370x87
- **Dimensions (with base) (H x D):** 433 x 240 mm
- **Product weight:** 11.2 kg
- **Weight incl. Packaging:** 14 kg
- **Outer carton dimensions WxDxH:** 765x573x261
- **Bezel color:** Pearl White Silver (front) High Gloss White (back)

### Accessories

- **Included Accessories:** Power cord, Remote Control, User Manual, Table top stand

### Supported Display Resolution

- **Computer formats**

Resolution	Refresh rate
640 x 480	60, 72, 75, 85Hz
800 x 600	56, 60, 72, 75, 85Hz
1024 x 768	60Hz
1280 x 768	60Hz

## Product highlights

### Integrated clock display

The built-in clock display, which is also a wake-up alarm, eliminates the need and investment for an additional clock with cables and connections in the room. Automatic time synchronisation via teletext and preservation of alarm settings during short power outages further enhances guest comfort

### 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.

### Welcome message

A welcome greeting is displayed each time the TV set is switched on.

### Volume limitation

This feature predefines the volume range with which the TV set is allowed to operate, preventing excessive volume adjustments and avoiding disturbance of next door guests.

### Front Controls Locking

Prevents unauthorised access to TV functions

### Switch On Channel Programming

Perfect for in-house advertising or information channels as it allows to show a predefined channel when the TV is turned on.

### Security Menu Access

Provides conditional access to installation and configuration settings via a special code or master remote control

### Built-in FM radio

The integrated FM radio offers guests additional comfort without the extra investment in radio receivers.

### External loudspeaker connector

Amplified audio connector for easy installation of external speakers (like for bathrooms), eliminating the need for investments in external equipment

### SmartCard Xpress Box

The optional SmartCard Xpress Box can be mounted at the rear side of the TV set and allows third party decoders and application cards to interface with the TV adding new functionality to the TV. The TV can also be connected to external decoders and set-top boxes of all major interactive system providers, through the Serial Xpress Control Interface (supporting UART and RS232 protocols) and the SmartPlug Control interface.

### Add. integrated power supply

The additional integrated power supply avoids the need for a separate power supply for an interactive system. In case of stand-alone use, the additional power supply can be switched off to save energy.

### Serial Xpress™ Control

The Serial Xpress™ Control interface is compatible with all major premium entertainment services. The protocols enables the TV connection with external decoders, set-top boxes and PC based solutions. Support UART and RS232 protocols.

### Upgradable software

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

### 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.



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