

Philips  
professional flat TV

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 colours 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

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

### Vivid, natural and razor sharp images

- High-definition LCD WXGA display, 1280 x 768p
- Digital Crystal Clear provides vivid cinema-like images
- Active Control optimises picture quality whatever the source

**PHILIPS**

# Highlights

## Integrated clock display

The built-in clock display, which is also a wake-up alarm, eliminates the need for investment in 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 all programming settings from one TV set to other TV sets easily and wirelessly 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 within which the TV set is allowed to operate, preventing excessive volume adjustments and disturbance of neighbouring 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 a predefined channel to be shown 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 (for bathrooms, for example), eliminating the need for investments in external equipment

## SmartCard Xpress Box

The optional SmartCard Xpress Box can be mounted at the back 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. For 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 enable the TV to be connected with external decoders, set-top boxes and PC based solutions. Supports 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 optimises picture quality to optimal contrast, colour and sharpness levels. It's like watching vivid cinema-like images.

## LCD WXGA display, 1280 x 768p

This WXGA display with state-of-the-art LCD screen technology gives you an HD resolution of 1280 x 768p pixels. It produces brilliant flicker-free progressive scan pictures with optimum brightness and superb colours. This sharp and vibrant image will provide you with an enhanced viewing experience.

## Active Control

Active Control ensures that noise and sharpness improvements are continuously made at a rate of 60 times per second. By continually adjusting the picture setting over 3000 times per minute, Active Control Plus ensures that the viewing experience is optimised.

# Specifications

## Picture/Display

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

## Supported Display Resolution

- Computer formats: 640 x 480, 60, 72, 75, 85 Hz, 800 x 600, 56, 60, 72, 75, 85 Hz, 1024 x 768, 60 Hz, 1280 x 768, 60 Hz

## Tuner/Reception/Transmission

- Aerial Input: 75 ohm coaxial (IEC75)
- 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'
- Number of Pre-set Channels: 127
- Video Playback: NTSC, PAL, SECAM
- Tuner Display: PLL

## Convenience

- Ease of Installation: Fine Tuning, Programme Name, PLL Digital Tuning
- Ease of Use: Auto Volume Leveller (AVL), FM Radio, Smart Picture, Smart Sound, On-Screen Display
- Clock: Sleep Timer, Wake-up Clock
- Screen Format Adjustments: 7 Widescreen Modes, Auto Format

- Remote Control: TV
- Remote control type: RC2886
- Teletext: 10-page Smart Text
- VESA Mount: 100 x 100 mm
- Teletext enhancements: 4 favourite pages

## Sound

- Output power (RMS): 2 x 5 W
- Sound System: Nicam Stereo
- Sound Enhancement: Smart Sound
- Music Power: 20 W

## Loudspeakers

- Built-in speakers: 2

## Connectivity

- Connectivity Enhancements: RJ12 connector, RJ45 connector
- Front/Side connections: Audio in, CVBS in
- 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, Analogue audio Left/Right out

## Power

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

## Accessories

- Included accessories: Power cord, Remote Control, User Manual, Tabletop stand

## Dimensions

- Product weight: 11.2 kg
- Weight incl. Packaging: 14 kg
- Bezel colour: Pearl White Silver (front) High Gloss White (back)
- Product dimensions (WxDxH): 691 x 370 x 87
- Outer carton dimensions WxDxH: 765 x 573 x 261
- Height (with base): 433 mm
- Depth (with base): 240 mm

