



Philips
professional flat TV with
Digital Crystal Clear

23"
LCD

23HF9442



System Prepared Flat TV

Specially designed for in-room entertainment

This LCD TV 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

- 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
- Future proof by software upgradability

PHILIPS
sense and simplicity

Specifications

Picture/Display

- **Aspect ratio:** Widescreen
- **Brightness:** 450 cd/m²
- **Contrast ratio (typical):** 400:1
- **Diagonal screen size:** 23 inch / 58 cm
- **Picture enhancement:** Digital Crystal Clear, Contrast Plus, Progressive Scan, 2D Combfilter, 3/2 - 2/2 motion pull down, Color Transient Improvement, Color Temperature Adjustment, Digital Noise Reduction, Dynamic Contrast, Jagged Line Suppression, LTI, Luminance Transient Improver, Motion adaptive de-interlacing, Sharpness Adjustment
- **Screen enhancement:** Anti-Reflection coated screen
- **Viewing angle (h / v):** 176 / 176 degree
- **Panel resolution:** 1280 x 768p
- **Response time (typical):** 25 ms
- **Display screen type:** LCD WXGA Active Matrix TFT

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

Sound

- **Sound System:** Mono, Stereo, Virtual Dolby Surround
- **Output power (RMS):** 2 x 5W
- **Music Power:** 20 W

Convenience

- **Ease of Installation:** Fine Tuning, PLL Digital Tuning, Program Name
- **Ease of Use:** FM Radio, Menu Control, On Screen Display, Program List, Smart Picture Control, Smart Sound Control

- **Remote control type:** RC2887
- **Remote control:** Zappa
- **Screen Format Adjustments:** Full screen, Subtitle and Heading Shift, Superwide, Widescreen, Zoom 14:9, Zoom 16:9
- **Clock:** Sleep Timer
- **Clock Enhancements:** Synchro Time via PDC/ TXT
- **VESA Mount:** 100 x 100 mm
- **Remote Control:** TV

Tuner/Reception/Transmission

- **Tuner bands:** Hyperband, S-Channel, UHF, VHF, FM
- **TV system:** NTSC, PAL, PAL B/G, PAL D/K, PAL I, SECAM, SECAM B/G, SECAM D/K, SECAM L/L'
- **Aerial Input:** 75 ohm coaxial (IEC75)
- **Tuner Display:** PLL

Connectivity

- **Other connections:** Antenna IEC75, Component Video (YPbPr) input, Composite video (CVBS) input, DVI-D, FM Antenna, PC Audio in, D-Sub in (PC)
- **AV 1:** CVBS in, CVI
- **AV 2:** CVBS, S-Video Y/C
- **AV 3:** CVBS in, S-Video Y/C
- **AV 4:** DVI-D
- **AV 5:** Audio L/R in, DB15
- **Connectivity Enhancements:** RJ45 connector, RJ12 connector

Power

- **Mains power:** AC 90V - 240V 50/60 Hz

Dimensions

- **Product weight:** 11.2 kg

Accessories

- **Included Accessories:** Power cord, RF antenna cable, User Manual

Product highlights

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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