

Philips  
professional flat TV

51 cm (20")  
LCD

20HF8432



## System Prepared Flat TV

Specially designed for in-room entertainment

Stylish compact design. Equipped with advanced hotel mode and compatible with the future proof, optional, Smartcard Xpress expansion unit allowing third party interactive solutions.

### **Breathtaking natural pictures**

- Enhanced-definition LCD VGA display, 640 x 480p
- Crystal Clear III for natural images with enhanced quality
- 2D Combfilter sharpens images for finer detail

### **Advanced hotel features and future proof**

- Switch On Channel Programming
- Security Menu Access
- Front Controls Locking
- Volume limitation
- Welcome message on screen display
- Built-in FM radio
- Wireless SmartLoader for fast cloning

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

- Additional integrated power supply
- Serial Xpress™ Control interface

# PHILIPS

# 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.

## 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.

## Crystal Clear III

Crystal Clear III combines a whole range of enhancements to provide a better picture. They include a 2D Comb filter, Dynamic contrast, Blue stretch and Green enhancement so that you always get the most natural looking colors.

## LCD VGA display, 640 x 480p

This VGA display with state-of-the-art LCD screen technology has an enhanced resolution of 640 x 480p.

## 2D Combfilter

The 2D comb filter separates chrominance (color) from luminance (brightness) information in the video signal for independent processing to improve picture resolution and minimize distortion.

# Specifications

## Picture/Display

- Aspect ratio: 4:3
- Diagonal screen size (inch): 20 inch
- Diagonal screen size (metric): 51 cm
- Panel resolution: 640 x 480p
- Brightness: 450 cd/m<sup>2</sup>
- Contrast ratio (typical): 350:1
- Picture enhancement: Crystal Clear III, Progressive scan, Active Control, Digital Noise Reduction, Dynamic Contrast, Sharpness Adjustment, 3D Combfilter
- Display screen type: LCD VGA Active Matrix TFT
- Response time (typical): 25 ms
- Viewing angle (horizontal): 176 degree
- Viewing angle (vertical): 176 degree
- Screen enhancement: Anti-Reflection coated screen

## Tuner/Reception/Transmission

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

## Convenience

- Child Protection: Child Lock
- Ease of Installation: Automatic Channel Install(ACI), Automatic Tuning System (ATS), Autostore, Fine Tuning, PLL Digital Tuning
- Ease of Use: Menu Control, On Screen Display, Smart Picture, Smart Sound, Top Controls
- Clock: Sleep Timer
- Remote Control: TV
- Remote control type: RC2887
- Teletext: 10 page Smart Text
- VESA Mount: 100 x 100 mm
- Remote control: Zappa

## Sound

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

## Connectivity

- AV 1: Audio L/R in, CVBS in, YPbPr
- Connectivity Enhancements: RJ12 connector, RJ45 connector
- Other connections: FM Antenna, D-Sub in (PC)

## Power

- Mains power: AC 90V - 240V 50/60 Hz
- Ambient temperature: 5 °C to 40 °C

## Accessories

- Included accessories: Power cord, Remote Control, RF antenna cable, User Manual

## Dimensions

- Product weight: 8.8 kg

