

Philips
professional flat TV

20"
LCD

20HF7462



System Prepared Flat TV

Specially designed for in-room entertainment

Stylish compact design with an integrated LCD (alarm) clock. 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
- Integrated clock display with wake-up and message alarm
- Built-in FM radio
- Wireless SmartLoader for fast cloning

Interactive System Prepared, Future-Proof

- Additional integrated power supply

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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.

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.

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 colours.

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 combfilter separates chrominance (colour) from luminance (brightness) information in the video signal for independent processing to improve picture resolution and minimise 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/m²
- Picture enhancement: Progressive scan, 2D Combfilter, Sharpness Adjustment, Active Control, Digital Noise Reduction, Crystal Clear III, Colour Transient Improvement
- Contrast ratio (typical): 350:1
- 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: 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, PLL Digital Tuning, Programme Name
- Ease of Use: Auto Volume Leveller (AVL), Smart Picture, Smart Sound, FM Radio, On-Screen Display
- Clock: Sleep Timer, Wake-up Clock
- 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: Headphones Out, S-video in, CVBS in
- Ext 1 Scart: Audio L/R, CVBS in/out, RGB
- Other connections: Antenna IEC75, FM Antenna

Power

- Mains power: AC 90 V–240 V 50/60 Hz
- Ambient temperature: 5°C to 40°C
- Power consumption: 55 W
- Standby power consumption: \leq 3 W

Accessories

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

Dimensions

- Product weight: 8 kg
- Weight incl. Packaging: 10 kg
- Bezel colour: Silver Frost
- Product dimensions (WxDxH): 477 x 435 x 86
- Outer carton dimensions WxDxH: 580 x 528 x 185
- Height (with base): 461 mm
- Depth (with base): 217 mm



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