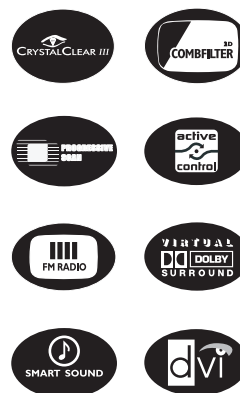




Philips  
professional flat TV with  
Crystal Clear III

20"  
LCD

20HF5473



## System Prepared Flat TV

with Crystal Clear III

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
- Switch On Channel Programming
- Security Menu Access
- Battery Low Detection for Remote Control
- External loudspeaker connector

### Interactive System Prepared, Future Proof

- SmartCard Xpress Box compatible for interactive systems
- Additional integrated power supply
- Future proof by software upgradability

### Breathtaking natural pictures

- Crystal Clear III for natural images with enhanced quality

**PHILIPS**  
sense and simplicity

# Professional flat TV with Crystal Clear III 20" LCD

## Specifications

### Picture/Display

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

### Supported Display Resolution

#### Video Formats

Resolution	Refresh rate
640 x 480i	1Fh
720 x 576i	1Fh
720 x 576p	2Fh

#### Computer formats

Resolution	Refresh rate
640 x 480	60, 67, 72, 75Hz

### Sound

- Sound System: Nicam Stereo, Virtual Dolby Surround
- Output power (RMS): 2 x 5W
- Sound Enhancement: Auto Volume Leveller

### Convenience

- Ease of Installation: Fine Tuning, PLL Digital Tuning, Program Name, Wireless Smart Loading, Advanced Hotel Mode
- Ease of Use: Smart Picture Control, Smart Sound Control, FM Radio, Side Control
- Remote control type: RC2886
- Teletext: 10 page Smart Text
- Clock: Sleep Timer, Integrated LCD Clock Display, Wake up Clock
- VESA Mount: 100 x 100 mm
- Clock Enhancements: Synchro Time via PDC/TXT
- Comfort: Hotel Guest features
- Remote Control: TV
- Screen Format Adjustments: 16:9 compress, 4:3, 4:3 expand

- Teletext enhancements: Fast text
- On-Screen Display languages: English, French, German

### Tuner/Reception/Transmission

- Tuner bands: Hyperband, S-Channel, UHF, VHF, FM
- TV system: PAL, PAL B/G, PAL D/K, PAL I, SECAM, 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: 125

### Connectivity

- Ext I Scart: Audio L/R, CVBS in/out, RGB
- Other connections: Antenna IEC75, DVI-I, PC Audio in
- Front / Side connections: S-video in, CVBS in, Audio L/R in, Headphone out
- Connectivity Enhancements: External Loudspeaker connector, RJ45 connector, RJ12 connector, HM-Link, Extra Power supply 12V/1W, SmartCard Xpress box ready
- Number of Scarts: 1

### Power

- Power consumption: 55 W
- Ambient temperature: 5 °C to 40 °C
- Mains power: AC 100-250V +/-10%

### Dimensions

- Box dimensions (W x H x D): 659 x 565 x 211 mm
- Color cabinet: Silver Frost & Black Deco Front
- Dimensions (with base) (W x H x D): 583 x 433 x 217 mm
- Set weight: 8.5 kg
- Set dimensions (W x H x D): 583 x 386 x 87 mm
- Weight incl. Packaging: 11.5 kg

### Accessories

- Included Accessories: Table top stand, Power cord, Remote Control, User Manual
- Optional accessories: Wireless SmartLoader 22AVI 120, Set up Remote RC2573GR

### Loudspeakers

- Built-in speakers: 2

20HF5473/10

## 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.

### 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.

### 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.

### 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.

### 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.



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