



Philips  
Flat TV with Crystal Clear  
III

51 cm (20")  
LCD

20PF5121



## Turn up your viewing experience

with Crystal Clear III

Here is a wonderful new TV that not only gives you great picture and sound but also modern styling and quality finish. It features Crystal Clear III for natural, vivid images and Virtual Dolby Surround for superb audio.

### **Vivid, natural and razor sharp images**

- Enhanced-definition LCD VGA display, 640 x 480p
- Crystal Clear III for natural images with enhanced quality
- Active Control optimizes picture quality whatever the source

### **Superb sound reproduction**

- Virtual Dolby Surround for a cinema-like audio experience

### **Slim, stylish design to complement your interior**

- Compact and slim design that fits in every room

### **Designed for your convenience**

- Built-in FM radio to enjoy your favorite radio stations.
- PC input lets you also use your TV as a PC monitor
- Smart Picture and Smart Sound to personalize your viewing

### **For advanced performance**

- DVI-I provides the best picture and flexible connectivity

# PHILIPS

# Highlights

## 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.

## 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.

## Active Control

Active Control ensure that noise and sharpness improvements are continuously made at a rate of 60 times per second. By continually adjusting picture setting over 3,000 times per minute, Active Control Plus ensures that the viewing experience is optimized.

## Virtual Dolby Surround

Virtual Dolby Surround is a processing technology for enhancing surround sound effects. It will create the sensation of Dolby Pro Logic without the necessity of additional rear speakers. You become totally immersed in your television experience.

## FM Radio

An FM radio capable of storing 40 preset stations is built in. On-screen station naming makes navigation simple, and a handy Clock Screensaver is also included for use while listening.

## PC input

With PC input you can connect your TV to a computer and use the TV as a PC monitor.

## Smart Picture and Smart Sound

Philips preset modes for Smart Picture and Smart Sound provide you with direct access via a single key on the remote control. You can select optimized picture and sound settings for the various picture and sound modes.

## DVI-I Input

A DVI-I input connects the non-compressed high-bandwidth digital RGB signal from source to screen. By eliminating the conversion of the digital signals to analog, it delivers an unblemished and noise-free image, that is clear and flicker-free. The DVI input supports HDCP copy protection that allows viewing of copy protected programs from Digital Settop boxes, DVD players and HD recorders. DVI-I is future proof as it can be connected to all HDMI devices (a converter cable is required). The DVI-I input also supports analog PC-VGA signals.



# Specifications

## Picture/Display

- Aspect ratio: 4:3
- Brightness: 450 cd/m<sup>2</sup>
- Contrast ratio (typical): 500:1
- Diagonal screen size: 20 inch / 51 cm
- Color cabinet: Silver Frost / High Gloss Black
- Display screen type: LCD VGA Active Matrix TFT
- Picture enhancement: Crystal Clear III, Progressive scan, 2D Combfilter, Active Control, Sharpness Adjustment, Color Temperature Adjustment, Contrast Plus
- Screen enhancement: Anti-Reflection coated screen
- Viewing angle (H / V): 160 / 120 degree
- Panel resolution: 640 x 480p
- Response time (typical): 16 ms

## Supported Display Resolution

### Computer formats

Resolution	Refresh rate
640 x 480	60, 67, 72, 75Hz
800 x 600	56, 60, 72, 75Hz
720 x 400	70Hz

### Video Formats

Resolution	Refresh rate
640 x 480i	1Fh
640 x 480p	2Fh
720 x 576i	1Fh
720 x 576p	2Fh
1280 x 720p	3Fh

## Sound

- Sound Enhancement: Dynamic Bass Enhancement
- Sound System: Mono, Nicam Stereo, Virtual Dolby Surround
- Output power (RMS): 2 x 5W
- Equalizer: 5-bands

## Convenience

- Ease of Installation: Auto Program Naming, Automatic Channel Install(ACI), Automatic Tuning System (ATS), Autostore, Fine Tuning, PLL Digital Tuning, Program Name, Sorting
- Ease of Use: Auto Volume Leveller (AVL), FM

- Radio, Menu Control, On Screen Display, Program List, Smart Picture, Smart Sound
- Remote control type: RCFE05SMU00
- Teletext: 10 page Smart Text
- Remote Control: TV
- Screen Format Adjustments: 16:9 compress, 4:3, 4:3 expand
- Clock: Sleep Timer
- VESA Mount: 100 x 100 mm
- Teletext enhancements: 4 favourite pages, Program information Line

## Tuner/Reception/Transmission

- Tuner bands: FM, Hyperband, S-Channel, UHF, VHF
- 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: 100

## Connectivity

- Number of Scarts: 1
- Ext 1 Scart: Audio L/R, CVBS in/out, RGB
- Other connections: Antenna IEC75, DVI-I, FM Antenna, PC Audio in
- Front / Side connections: Audio in, CVBS in, Headphone Out, S-video in

## Power

- Power consumption: 55 W
- Standby power consumption: 1.5 W
- Ambient temperature: 5 °C to 40 °C
- Power supply: AC 90-240

## Dimensions

- Box dimensions (W x H x D): 684 x 500 x 213 mm
- Dimensions (with base) (W x H x D): 506 x 490 x 246 mm
- Set dimensions (W x H x D): 506 x 446 x 77 mm
- Set weight: 8.1 kg

stereo system					transmission system					
2CS	NICAM	2CS	NICAM	NICAM	PAL	PAL	PAL	SECAM	SECAM	SECAM
DK	DK	B/G	I	LL'	B/G	DK	I	B/G	DK	LL'
o	o	o	o	o	o	o	o	o	o	o



Issue date 2019-06-26

Version: 3.0.8

12 NC: 8670 000 23475  
EAN: 87 10895 94344 4

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- Weight incl. Packaging: 10.3 kg
- Product weight: 8.1 kg

## Accessories

- Included accessories: Power cord, Quick start guide, Registration card, Remote Control, Table top stand, User Manual
- FM antenna: FM Antenna