Philips
flat TV with Crystal Clear

20"
LCD

20PF4121

CRYSTALCLEAR

VIRTUAL DOLBY SURROUND

SMART PICTURE

SMART SOUND

SMART TEXT

dvi

Turn up your viewing experience

With Crystal Clear

Here is an LCD TV that not only enhances the décor of your home with its European styling and slim design, but also provides a great audio-visual experience with Crystal Clear and Virtual Dolby Surround.

Better quality images that reveal more detail
• Enhanced definition LCD VGA display, resolution 640 x 480p
• Crystal Clear improves picture depth

Superb sound reproduction
• Virtual Dolby Surround for a cinema-like audio experience

Slim, stylish design to complement your interior
• Compact design

Designed for your convenience
• PC input lets you also use your TV as a PC monitor
• Smart Picture and Smart Sound to personalise your viewing.

For advanced performance
• DVI-I provides the best picture and flexible connectivity

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Technical specifications

Picture / Display
- Aspect ratio: 4:3
- Brightness: 450 cd/m²
- Contrast ratio (typical): 500:1
- Diagonal screen size: 20 inch / 51 cm
- Display screen type: LCD VGA Active Matrix TFT
- Picture enhancement: Crystal Clear, Progressive scan, Sharpness adjustment, Colour Temperature Adjustment, 2D combfilter, Contrast plus
- Screen enhancement: Anti reflection coated screen
- Viewing Angle (H / V): 160 / 120 degree
- Response time (typical): 16 ms
- Panel resolution: 640 x 480p

Supported Display Resolution
- Computer formats

Resolution	Refresh rate
640 x 480	60, 67, 72, 75Hz
1024 x 768	60, 70, 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
- Equaliser: 5-bands

Convenience
- Ease of installation: Auto programme naming, Automatic Channel Install (ACI), Automatic Tuning System (ATS), Auto store, Fine tuning, PLL digital tuning, Program name, Sorting
- Ease of Use: Auto volume leveller (AVL), Menu control, On screen display, Program list, Smart picture control, Smart sound control
- Remote control type: RCFE05ZAU00
- Teletext: 10 page Smart Text
- Remote control: TV
- Screen format adjustments: 16:9 compress, 4:3, 4:3 expand
- Clock: Sleep timer
- Teletext enhancements: 4 favourite pages, Program information line

Tuner / Reception / Transmission
- Tuner bands: Hyper band, 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, PC audio in, DVI-I
- 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/+45°C
- Power supply: AC 90-240

Dimensions
- Product weight: 8.8 kg
- Dimensions (with base) (W x H x D): 594 x 429 x 195 mm
- Box dimensions (W x H x D): 659 x 565 x 211 mm
- Set dimensions (W x H x D): 594 x 391 x 83 mm
- Set weight: 8.8 kg

- Weight incl. packaging: 11.5 kg
- Colour cabinet: Silver / Black

Accessories
- Included accessories: Power cord, Quick start guide, Registration card, Remote control, Table top stand, User manual

stereo system					transmission system					
2CS	NICAM	2CS	NICAM	NICAM	PAL	PAL	PAL	SECAM	SECAM	SECAM
DK	DK	BG	I	LL'	BG	DK	I	BG	DK	LL'
o	o	o	o	o	o	o	o	o	o	o

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20" LCD

Product 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
Combining picture enhancements like Contrast plus and colour improvement, Crystal Clear improves picture depth.

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 for additional rear speakers. You become totally immersed in your television experience.

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

Smart Picture & 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 optimised picture and sound settings for the various picture modes such as Eco, Natural, Rich, Multimedia and Personal, and sound modes such as Movie, Voice, Music and Personal. Do refer to the DFU for the various picture and sound smart 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 analogue, it delivers an unblemished and noisefree image, that is clear and flickerfree. 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 be connected to all HDMI devices (a converter cable is required). The DVI-I input also supports analogue PC-VGA signals.

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