



Philips
5000 series Smart Ultra
HDTV

50" class/po

50PFL5901



Smart 4K UltraHDTV

Your favorite online content in UltraHD

Enjoy true 4K streaming performance with built-in HEVC and VP9 decoders enabling 4K streaming on Netflix, YouTube and more services in the future. With a 4K upscaling engine, even your HD videos have never looked better.

Enjoy the beauty of 4K Ultra HD

- 120 Perfect Motion Rate for increased pixel response times
- Enjoy HD content in 4K UHD with a 4K upscaling engine
- An intelligent dimming backlight for dynamic contrast
- Pixel Plus UltraHD for vivid, natural, and real pictures
- The beauty of 4K UltraHD TV is in savoring every detail

Complete digital TV connectivity made simple.

- HDMI 2.0 with HDCP 2.2 for 4K on all HDMI ports
- Wireless LAN 802.11ac with MIMO for seamless streaming of 4K
- Play HEVC, H.264, AAC, MP3, JPEG and more formats on USB
- NetTV with Wireless access to online services on your TV
- Wirelessly mirror the screen of smart device on your TV

Authentic and clear sound experience.

- 20 Watts RMS of rich surround sound to complement 4K images
- Immersive sound with clear voice designed by sonic emotion

PHILIPS

Highlights

4K UltraHD



4 times the resolution of Full HD brings your viewing experience to the whole new level. Enjoy every detail and the breathtaking beauty of the pictures.

Pixel Plus Ultra HD



Experience Ultra-HD sharpness from Philips. Now you can enjoy your favorite action films and sporting events in stunning 4K Ultra HD resolution. And whether you stream online or watch a DVD, Philips' Pixel Plus Ultra-HD Engine delivers sharper images with brighter whites and blacker blacks.

120 Perfect Motion Rate



120 Perfect Motion Rate (PMR) creates extreme motion sharpness for clear and vibrant images in fast action movies. The new Philips PMR standard reduces response time of the HDTV to produce faster picture transitions and reduces motion artifacts.

Macro dimming



Using a proprietary video processing algorithm which measures average luminance level of each video frame, Philips' Macro Dimming intelligent backlight dims the backlight to match every video frame to ensure you have a strain-free life-like viewing experience with bright whites, vivid colors and dark blacks.

4K Upscaling



Your Standard Definition and High Definition videos have never looked better. 4K upscaling processor delivers images that are crystal clear. Movies in standard definition and high definition can now be enjoyed in 4K Ultra HD, ensuring more details and more true-to-life pictures.

20 Watts RMS

20 Watts RMS of rich surround sound to complement 4K images

Sonic Emotion Premium



Immersive sound with clear voice designed by sonic emotion. Absolute3D sound fills your surroundings with the right ambience, clarifies voice, and details the sound stage, making your experience more immersive and enjoyable.

Dolby Audio

Dolby Audio for the ultimate movie experience

Wireless LAN 802.11ac w/ MIMO



Wireless LAN 802.11ac with MIMO antennas for seamless streaming of online 4K content.

Wireless Screencasting



Watch and surf anything and everything wirelessly from your smart phone, tablet or PC to your Philips TV. Imagine the ability to have unlimited access to every web destination like shopping, email, videos, social networking, as well as your favorite TV shows and sporting events. With Wireless Screencasting your source device screen is wirelessly projected on your TV, so sharing content and surfing the internet on your TV has truly become limitless.

Specifications

Picture/Display

- Aspect ratio: Widescreen(16:9)
- Contrast ratio (typical): 5000:1
- Response time (typical): 9.5 ms
- Diagonal screen size (inch): 50 inch
- Diagonal screen size (metric): 127 cm
- Panel resolution: 3840x2160p
- Picture enhancement: Pixel Plus UltraHD, Black stretch, Digital Noise Reduction, MPEG artifact reduction, 120 PMR, Color Enhancement, Dynamic contrast, Gamma, Macro Dimming
- Visible screen diagonal (inch): 49.5 inch
- Display screen type: LED UltraHD Display
- Viewing angle: 178° (H) / 178° (V)

Supported Display Resolution

- Computer formats: 640 x 480, 60Hz, 720 x 480, 60Hz, 800 x 600, 60Hz, 1024 x 768, 60Hz, 1280 x 768, 60Hz, 1280 x 1024, 60Hz, 1360 x 768, 60Hz, 1440 x 900, 60 Hz, 1920 x 1080, 60Hz, 1680 x 1050, 60Hz, 1400 x 1050, 60Hz, 3840 x 2160, 60Hz, 4096 x 2160, 60Hz
- Video formats: 480i, 60Hz, 480p, 60Hz, 720p, 60Hz, 1080i, 60Hz, 1080p, 24,30,60Hz, 2160p, 24, 30, 60Hz

Sound

- Equalizer: 5-bands
- Output power (RMS): 2 x 10W
- Sound System: Sonic Emotion Premium, Stereo, SAP, Dolby Audio

Loudspeakers

- Built-in speakers: 2

Convenience

- Child Protection: Child Lock+Parental Control
- Clock: Sleep Timer
- Ease of Use: AutoPicture, AutoSound, Settings assistant Wizard, Auto Volume Leveling
- Remote Control: TV
- Screen Format Adjustments: 4:3, Movie expand 14:9, Movie expand 16:9, Super Zoom, Widescreen, unscaled (1080p dot by dot), Full, Automatic
- Ease of Installation: Autostore
- Multimedia: auto slideshow, USB media browser

Multimedia Applications

- Multimedia connections: USB memory class device
- Playback Formats: MP3, JPEG Still pictures, MPEG1, MPEG2, H.264/MPEG-4 AVC, MPEG 4 SP/ASP, H.265/HEVC, AAC, WAVE

Tuner/Reception/Transmission

- Aerial Input: 75 ohm F-type
- TV system: ATSC, NTSC
- Video Playback: NTSC
- Tuner bands: UHF, VHF

Connectivity

- Other connections: Ethernet, Headphone out, Wireless LAN 802.11ac MIMO
- EasyLink (HDMI-CEC): One touch play, Power status, System info (menu language), Remote control pass-through, System audio control, System standby
- Audio Output - Digital: Optical (TOSLINK)
- AV 1: Shared audio L/R in, AV In
- USB: USB
- HDMI 1: Shared audio L/R in, HDMI (Audio Return Channel)
- HDMI 2: HDMI, Shared audio L/R in
- HDMI 3: HDMI, Shared audio L/R in

Power

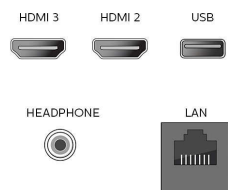
- Mains power: 120V/60Hz
- Power consumption: 125 W
- Standby power consumption: \leq 0.5W
- Ambient temperature: 5°C to 40°C (41°F to 104°F)

Dimensions

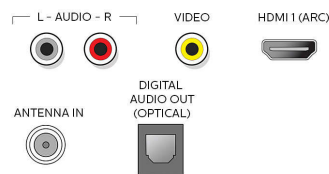
- Product weight (lb): 25.58 lb
- Box height (inch): 30.4 inch
- Box width (inch): 51.6 inch
- Box depth (inch): 7.0 inch
- Wall mount compatible: 400 x 300 mm
- Set Width (inch): 45.0 inch
- Set Height (inch): 27.1 inch
- Set Depth (inch): 4.3 inch
- Set width (with stand) (inch): 45.0 inch
- Set depth (with stand) (inch): 8.7 inch
- Set height (with stand) (inch): 29.1 inch
- Product weight (+stand) (lb): 26.02 lb
- Weight incl. Packaging (lb): 35.28

Connections

Side



Rear



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Version: 1.1.1

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