5000 series Smart Ultra HDTV

• 50" class/po

50PFL5601/F7

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.

Benefits

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

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

• Dolby Audio for the ultimate movie experience

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

PHILIPS

Features

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.

sonic emotion

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.

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.

NetTV

Experience a rich selection of online services with Net TV wirelessly. Enjoy movies, pictures, infotainment and other online content directly on your TV whenever you like. Wirelessly navigate and select what you want to watch with the TV remote control. The Philips menu gives you access to popular Net TV services fitted for your TV screen.

USB multimedia playback

The USB connector allows access to HEVC, H.264, AAC, MP3, JPEG and more formats files of most USB-sticks (USB memory-class device). Plug the USB into the slot at the side of the TV and access the multimedia content using the easy on screen content browser. You can now view and share your videos, photos and music.

Specifications

Please note that this is a pre-sales leaflet. The contents of this leaflet reflect the best of our knowledge per date and country mentioned above. The contents of this leaflet are subject to change without notice. Philips does not accept any liability as to the contents of this leaflet.

Picture/Display

Aspect ratio	Widescreen(16:9)
Contrast ratio (typical)	5000:1
Response time (typical)	9.5 ms
Viewing angle	178° (H) / 178° (V)
Diagonal screen size (inch)	50 inch
Diagonal screen size (metric)	127 cm
Visible screen diagonal (inch)	49.5 inch
Display screen type	LED UltraHD Display
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

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 Installation	Autostore
Ease of Use	AutoPicture
	AutoSound
	Settings assistant Wizard
	Auto Volume Leveling
Remote Control	TV
Screen Format	4:3
Adjustments	Movie expand 14:9
	Movie expand 16:9
	Super Zoom
	Widescreen
	unscaled (1080p dot by dot)
	Full

Multimedia

Multimedia	Automatic
	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

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

Power

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

Dimensions

Set Height (inch)	27.1 inch
Set Width (inch)	45.0 inch
Set Depth (inch)	4.3 inch
Product weight (lb)	25.58 lb
Set height (with stand) (inch)	29.1 inch
Set width (with stand) (inch)	45.0 inch
Set depth (with stand) (inch)	8.7 inch
Product weight (+stand) (lb)	26.02 lb
Box height (inch)	30.4 inch
Box width (inch)	51.6 inch
Box depth (inch)	7.0 inch
Weight incl. Packaging (lb)	35.28

VESA wall mount compatible	400 x 300 mm

Accessories

Included accessories	Table top stand
	Quick start guide
	User Manual
	Remote Control
	Screws
Power cord	59.05 inch

Network Services

NetTV Apps	Netflix
	Pandora
	Vudu
	YouTube
	Hotlist
	Samba
	Xumo
Network Features	Home Network
	Wireless Screencasting

* This product was produced prior to FCC Enhanced Accessibility rule going into effect, older production may not have Enhanced Accessibility features. Please look for the "Enhanced Accessibility" logo on the packaging of the product before purchasing if you need Enhanced Accessibility features.

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