Philips
5000 series Smart Ultra
HDTV with Net TV and
High Dynamic Range

50" class/po
4K Ultra HD 2160p
HDR
Wireless LAN 802.11ac MIMO

50PFL5703

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
• 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
• Expanding the possibilities of visual perception

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

PHILIPS

Highlights

4K UltraHD

Experience Ultra Sharp Details
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.

High Dynamic Range

Experience Dynamic Luminance
High Dynamic Range

High Dynamic Range (HDR10) is a technology lets you experience more detail and captivating colors for an even more engaging television experience. More perceivable shades of blacks, whites and all other colors. This boils down to greater perceived brightness and contrast with darker shadows creating a breathtaking image.

Pixel Plus Ultra HD

Razor Sharp Images from Any Source
PixelPlus ULTRA HD

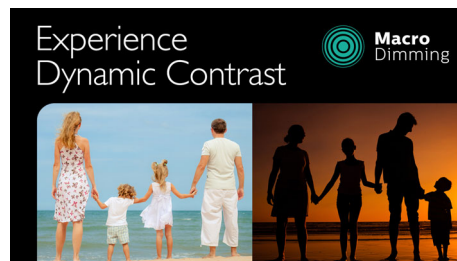Experience Ultra-HD sharpness from Philips. Now you can enjoy your favorite action films and sporting events in stunning 4K Ultra HD resolution. And whether you stream online or watch a DVD, Philips' Pixel Plus Ultra-HD Engine delivers sharper images with brighter whites and blacker blacks.

Bright Pro

Stunning Brightness
BrightPro

BrightPro backlith boosts brighter areas of the image by up to twice as much as a regular LED backlight. Bright Pro enables to display exceptional brightness and contrast even in brightly lit rooms. Video scenes which feature bright light sources such as sunlight, fireworks, police lights, flashlights, etc. look more realistic and lifelike.

Macro dimming

Experience Dynamic Contrast
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.

120 Perfect Motion Rate

Extreme Motion Sharpness
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.

Net TV

NetTV

Philips NetTV is built for streaming. With a simple push of a button, gain instant access to popular streaming applications such as Netflix, Vudu, YouTube, all within a clutter-free, easy to use interface. Visit the App Store to download additional content from our extensive entertainment library, with entertainment options to suit everyone. Surf the web on your big screen TV, all without the need of connecting a computer. Enjoy smooth streaming of up-to 4K content with the powerful, built-in Wireless 802.11ac MIMO Dual-Band chipset.

Wireless LAN 802.11ac w/ MIMO

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

NetTV High Dynamic Range **4K UltraHD** **PixelPlus ULTRA HD** **120 PERFECT MOTION RATE** **4K UPSCALING** sonic emotion PREMIUM ABSOLUTE 3D SOUND Enhanced Accessibility Vision, hearing & action

Specifications

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: 50 inch / 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

Resolution	Refresh rate
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

Resolution	Refresh rate
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 Adjustments: 4:3, Movie expand 14:9, Movie expand 16:9, Super Zoom, Widescreen, unscaled (1080p dot by dot), Full, Automatic
- Multimedia: auto slideshow, USB media browser

Multimedia Applications
- Multimedia connections: USB Storage Device
- Playback Formats: MP3, JPEG Still pictures, MPEG1, MPEG2, H.264/MPEG-4 AVC, H.265/HEVC, AAC, WAVE, AC3, MPEG4

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, CVBS/YPbPr
- 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
- HDMI 2: Shared audio L/R in, HDMI (Audio Return Channel)
- 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 dimensions in inch (W x H x D): 44.2 x 25.6 x 3.7 inch
- Product weight (lb): 21.6 lb
- Set dimensions with stand in inch (W x H x D): 44.2 x 27.6 x 8.9 inch
- Product weight (+stand) (lb): 22.1 lb
- Box dimensions in inch (W x H x D): 51.2 x 29.4 x 6.4 inch
- Weight incl. Packaging (lb): 29.8 lb
- VESA wall mount compatible: 300 x 200 mm

Accessories
- Included accessories: Table top stand, Quick start guide, User Manual, Remote Control, Batteries for remote control, Screws
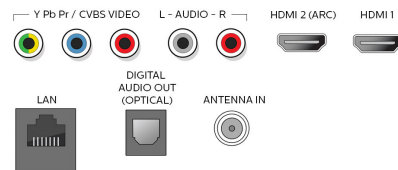- Power cord: 59.05 inch

Network Services
- NetTV Apps: Netflix, Hulu, Vudu, Vewd browser, YouTube, Sling TV, Pandora, Vewd app store, Youtube TV, Showtime Streaming
- Network Features: Home Network, Wireless Screencasting

Connections

Side

USB 5V === 0.5A   HDMI 3   HEADPHONE

Rear

Y Pb Pr / CVBS VIDEO   L - AUDIO - R   HDMI 2 (ARC)   HDMI 1

LAN   DIGITAL AUDIO OUT (OPTICAL)   ANTENNA IN

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