

Philips 7000 series
LED TV

107cm (42")
4K ULTRA HD
SmartTV

42PUT7590



Experience the brilliance of Ultra HD

with 4K resolution technology

The Philips LED TV is packed with features, it's a feast for the senses combining stunning Ultra HD resolution, easy connectivity & Ultra slim dimensions to take your breath away

"See brilliant picture quality"

- 4K ULTRA HD
- SmartTV
- Pixel Plus ULTRA HD
- MHL technology for enjoying mobile content on big screen

See brilliant picture quality

- 240Hz Perfect Motion Rate (PMR) for superb motion sharpness

Hear crisp and clear sound

- Incredible Surround for enhanced audio enjoyment
- Rich and clear sound experience

Easy to connect and enjoy

- Seamless connectivity with 3 HDMI inputs
- Fantastic video, photo and music playback via USB

PHILIPS

LED TV
107cm (42") 4K ULTRA HD, SmartTV

42PUT7590/V7

Highlights

4K ULTRA HD

4K UltraHD

Ultra HD TV has 4 times the resolution of a conventional Full HD TV. With over 8 million pixels and our unique Pixel Plus Ultra HD engine, you'll experience improved images, sharpness, increased depth perception, superior contrast, smooth natural motion and flawless details.

Pixel Plus ULTRA HD



Pixel Plus ULTRA HD engine to deliver incredible image, depth and clarity

SmartTV



Explore and enjoy the world of apps and more, directly on your TV.

240Hz PMR



240Hz Perfect Motion Rate (PMR) creates extreme motion sharpness for clear and vibrant images in fast action movies. The new Philips PMR standard shows the combined visible effect of the fastest panel refresh rate, HD Natural Motion and unique processing formula, for unprecedented motion sharpness.

Incredible Surround



"Incredible Surround is an audio technology from Philips that dramatically magnifies the sound field to immerse you in the audio. Using state-of-the-art electronic phase shifting, Incredible Surround mixes sounds from left and right in such a way that it expands the virtual distance between the two speakers. This wider spread greatly enhances the stereo effect and creates a more natural sound dimension. Incredible Surround allows you to experience total surround with greater depth and width of sound, without the use of additional speakers.."

Rich & clear sound experience



"Feel the power of the music beat and the atmosphere of the movies. The powerful 16 W RMS (2 x 8W RMS) amplifiers create a lifelike soundstage. It gives a clear and spacious sound stage complementary to the rich viewing experience.."

3 HDMI inputs



"HDMI makes an uncompressed digital RGB connection from the source to the screen for the ultimate picture quality. HDMI uses HDCP copy protection. With 2 HDMI inputs on the back of the TV you can connect multiple HD sources, for instance an HD settop box, a Blu-ray player, and Game Console or Digital Camcorder."

4K UltraHD



Specifications

Picture/Display

- Diagonal screen size (inch): 42 inch
- Panel resolution: 3840x2160
- Picture enhancement: 3/2 - 2/2 motion pull down, 3D Combfilter, Digital Noise Reduction

Supported Display Resolution

- Computer formats: 3840 x 2160, 30Hz, 1024 x 768, 60, 70, 75Hz, 640 x 480, 60, 72, 75Hz, 720 x 400, 70Hz, 800 x 600, 56, 60Hz, Via HDMI/DVI input., 1280 x 1024, 60Hz, 1280 x 720, 60Hz, 1920 x 1080, 60Hz, 720 x 480, 60Hz, 800 x 600, 56, 60, 72, 75Hz
- Video formats: 2160p, 24Hz, 30Hz, 1080i, 50, 60Hz, 480i, 60Hz, 480p, 60Hz, 576i, 50Hz, 576p, 50Hz, 720p, 50, 60Hz, 1080p, 50Hz, 1080p, 60Hz

Tuner/Reception/Transmission

- Tuner bands: UHF, VHF
- TV system: PAL B/G
- Video Playback: NTSC, PAL

Multimedia Applications

- Playback Formats: AVI, JPEG Still pictures, MPEG1, MPEG2, MPEG4, WMA v2 up to v9.2, H.264/ MPEG-4 AVC, PNG still pictures
- Music Playback Formats: MP3, WMA (v2 up to v9.2)
- Picture Playback Formats: JPEG

Convenience

- Ease of Installation: Autostore, Fine Tuning
- Ease of Use: Graphical User Interface, On Screen Display
- On-Screen Display languages: English

USB - File Extension

- Video: *.avi, *.mkv, *.mov, *.mp4, *.mpg, *.mpeg, *.wmv

USB - Container

- Video: ASF, AVI, MKV, MP4, PS

USB - Video Decoder

- Compression Format: H.264, MPEG 1, MPEG 2,

MPEG 4, VC-1

Sound

- Output power (RMS): 16W
- Sound System: Stereo
- Sound Enhancement: Incredible Surround

Loudspeakers

- Built-in speakers: 2

Connectivity

- AV 1: Audio L/R in, YPbPr, CVBS in, VGA-in (5x cinch RGB+H/V)
- USB: Super speed USB 3.0, USB 2.0
- HDMI 1: HDMI v1.3
- HDMI 2: HDMI v1.3
- Other connections: Antenna F-type, Component Video (YPbPr) input, Composite video (CVBS) input, PC-In VGA
- HDMI 3: HDMI v1.3
- AV output: Composite (CVBS) x1

Power

- Power supply: 100-240VAC, 50/60Hz
- Power consumption: 98 W
- Standby power consumption: Less than 1 watt

Accessories

- Included accessories: 2 x AAA Batteries, Remote Control, User Manual, Warranty certificate, Power cord, Safety/legal instructions, Table top stand, Wall mounting bracket
- User Manual: English

Dimensions

- Set Width: 946 mm
- Set Height: 552 mm
- Set Depth: 77 mm
- Product weight: 8.35 kg
- Set width (with stand): 946 mm
- Set height (with stand): 600 mm
- Set depth (with stand): 219 mm
- Product weight (+stand): 8.5 kg



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