

Philips 7000 series
LED TV

123cm (49")
4K ULTRA HD
SmartTV

49PUT7690



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

Hear crisp and clear sound

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

Easy to connect and enjoy

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

"See brilliant picture quality"

- 4K ULTRA HD
- SmartTV
- "IPS Panel for superior performance & widest viewing angle"
- Pixel Plus ULTRA HD
- 240Hz Perfect Motion Rate (PMR) for superb motion sharpness
- MHL technology for enjoying mobile content on big screen

PHILIPS

LED TV
123cm (49") 4K ULTRA HD, SmartTV

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.

"IPS Panel"

"IPS displays use an advanced technology which gives you extra wide viewing angles of 178/178 degree, making it possible to view the display from almost any angle. Unlike standard panels, IPS displays gives you remarkably crisp images with vivid colors, making it ideal not only for Photos and movies, but also for professional

applications which demand color accuracy and consistent brightness at all times."

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.

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..

Incredible Surround



"Incredible Surround is an audio technology from Philips that dramatically magnifies the sound field to immerse you in the audio. Using

49PUT7690/V7

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.."

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."

MHL



Mobile High Definition Link (MHL) is a mobile audio/video interface for directly connecting mobile phones and other portable devices to high-definition displays/ TVs. An optional MHL cable allows you to simply connect your MHL capable mobile device to this large Philips MHL LED TV, and watch your HD videos come to life with full digital sound. Now not only you can enjoy your mobile games, photos, movies, or other apps on its big screen, you can simultaneously charge your mobile device so you never run out of power half way.

Specifications

Picture/Display

- Diagonal screen size (inch): 49 inch
- Panel resolution: 3840x2160
- Picture enhancement: 3/2 - 2/2 motion pull down, 3D Combfilter, Digital Noise Reduction

Sound

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

Connectivity

- HDMI 1: HDMI v1.3
- HDMI 2: HDMI v1.3
- USB: High speed USB 3.0, USB 2.0
- Other connections: Component Video (YPbPr) input, Composite video (CVBS) input, PC-In VGA, Headphone out, Antenna IEC75, S/PDIF out (coaxial)
- AV 1: Audio L/R in, YPbPr, CVBS in, VGA-in (5x cinch RGB+H/V)
- AV output: Composite (CVBS) x1, Headphone out
- HDMI 3: HDMI v1.3
- EasyLink (HDMI-CEC): EasyLink
- LAN wired: Ethernet (RJ 45) 1x
- LAN wireless: IEEE 802.11 b/g/n

Supported Display Resolution

• Computer formats

Resolution	Refresh rate
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
1024 x 768	60Hz
1360 x 768	60Hz
3840 x 2160	30Hz
640 x 480	60Hz

• Video formats

Resolution	Refresh rate
1080i	50, 60Hz
480i	60Hz
480p	60Hz
576i	50Hz
576p	50Hz
720p	50, 60Hz
1080p	50Hz
1080p	60Hz
2160p	24Hz, 30Hz

Loudspeakers

- Built-in speakers: 2

Power

- Power consumption: 130 W
- Power supply: 100-240VAC, 50/60Hz
- Standby power consumption: Less than 1 watt

USB - Container

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

USB - File Extension

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

USB - Video Decoder

- Compression Format: H.264, MPEG 1, MPEG 2, MPEG 4

Multimedia Applications

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

Tuner/Reception/Transmission

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

Dimensions

- Product weight (+stand): 10 kg
- Product weight: 9.6 kg
- Set dimensions (W x H x D): 1102 x 639 x 81 mm
- Set dimensions with stand (W x H x D): 1102 x 696 x 258 mm

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

Convenience

- Ease of Installation: Autostore, Fine Tuning
- Ease of Use: Graphical User Interface, On Screen Display
- On-Screen Display languages: English
- Screen Format Adjustments: 16:9



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