

4K Ultra-Slim TV powered by Android TV™ with Ambilight 2-sided and Pixel Plus Ultra HD

- 139 cm (55")
- 4K Ultra-HD LED TV
- Quad Core, 16 GB & expandable
- DVB T/C/T2/T2-HD/S/S2

[55PUS6412/12](#)

4K Ultra Slim LED TV powered by Android TV

with Ambilight 2-sided

Design meets performance. The Philips 6400 TV brings your entertainment to life with its spectacular 4K Ultra-HD resolution and stylish metal stand. And with Android TV, your entertainment options are virtually endless.

Benefits

Crafted Lightness

- Ambilight changes the way you look at TV forever
- Metallic silver open-frame stand with a floating look

Passionate about Picture Quality

- 4K Ultra HD is unlike any resolution you've ever seen before
- Discover Ultra-HD Picture Quality with Pixel Plus Ultra HD
- Experience better contrast, colour and sharpness with HDR Plus

Exhilarating. Limitless. Powered by Android

- Unleash the power of Quad Core and integrated Android
- Google Play store and Philips app gallery: look beyond TV
- Built for a better Netflix experience

Thin TV — Big sound

- Powerful Sound Processing for uncompromised sound clarity
- Hear every detail with DTS HD Premium Sound

PHILIPS

Features

Ambilight 2-sided

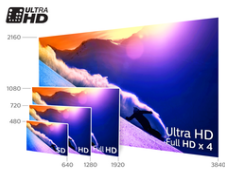


You've created a home that's more than just a house, so why not choose a TV that is warm and inviting too? Philips' unique Ambilight technology makes your screen much wider—and your viewing experience more immersive—by emitting an extra wide glow from two-sides of your TV screen onto the surrounding wall. Colour, vibrancy and excitement move beyond the screen and into your living room to bring you a viewing experience beyond the ordinary.

Metallic silver frame stand

Incredible design look and feel with our new metallic silver open-frame stand, which looks like it is floating above the surface. We've made this possible by using precision-cut, extra-strong premium steel with a futuristic look and feel.

4K Ultra HD



Ultra-HD TV has four times the resolution of a conventional Full HD TV. With over 8 million pixels and our unique Ultra Resolution Upscaling technology, you'll experience improved images regardless of the original content. Enjoy improved sharpness, increased depth perception, superior contrast, smooth natural motion and flawless details.

Pixel Plus Ultra HD

Experience 4K Ultra-HD sharpness with the Philips Pixel Plus Ultra-HD engine. It optimises picture quality to deliver smooth, fluid images with incredible detail and depth. Enjoy sharper 4K images with brighter whites and blacker blacks every time.

High Dynamic Range Plus

High Dynamic Range Plus is a new video standard. It redefines in-home entertainment through advances in contrast and colour. Enjoy a sensory experience that captures the original richness and liveliness, yet accurately reflects the content creator's intent. The end result? Brighter highlights, greater contrast, a broader range of colours and detail like never before.

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.

Ambilight

Ambilight Version	2 sided
Ambilight Features	Built-in Ambilight+hue Ambilight Music Game Mode Wall colour adaptive Lounge mode

Picture/Display

Display	4K Ultra HD LED
Diagonal screen size (metric)	139 cm

Quad Core + Android

QuadCore



Philips Quad Core processor meets the power of Android to deliver an exciting gaming experience. And with Android on your TV you'll navigate, launch apps and play videos in a way that is super fast, super intuitive and super fun.

Netflix Recommended TV

Netflix is changing how you experience entertainment in many ways, including helping to advance innovations on the devices you use to watch TV shows and movies. When you see the Netflix Recommended TV logo on a smart TV, you'll know it's passed a rigorous evaluation process established based on the factors members value most.

Sound processing

A gust of wind, a leaf hitting the ground, the sound of tyres zooming down a windy road. It's the little details that bring the picture to life. Philips Sound Processing brings these details together with uncompromised sound clarity. Hear everything as the director intended with studio-grade sound mixing that supports original audio content, and enhances sound when needed. Deep bass, clear dialogue and amazing accuracy are just the start.

DTS HD Premium Sound

Great TV speakers demand a powerful processing engine that preserves the purity of the original audio content. DTS HD Premium Suite is designed to deliver the experience consumers have come to expect from high-end sound processing: immersive surround with deep, rich bass and crystal clear dialogue that's delivered at maximum volume levels and without any fluctuations, clipping or distortion.

Diagonal screen size (inch)	55 inch
Panel resolution	3840 x 2160
Aspect ratio	16:9
Brightness	350 cd/m ²
Picture enhancement	Micro Dimming Pro Ultra Resolution Natural Motion Pixel Plus Ultra HD
Peak Luminance ratio	65 %

Android

OS	Android™ 6.0 (Marshmallow)
Pre-installed apps	Google Play Movies* Google Play Music* Google Search YouTube
Memory size	extendable via USB storage 16 GB

Smart TV Features

User Interaction	MultiRoom Client and Server SimplyShare
Interactive TV Programme	HbbTV Pause TV USB Recording*
SmartTV apps*	Online Video Stores Open Internet Browser Social TV TV on Demand YouTube
Ease of Installation	Auto detect Philips devices Device connection wizard Network installation wizard Settings assistant wizard
Ease of Use	One-stop Smart Menu button On-screen User manual
Firmware upgradeable	Firmware auto upgrade wizard Firmware upgradeable via USB
Screen Format Adjustments	Online firmware upgrade Basic - Fill Screen Fit to Screen Advance - Shift Zoom, Stretch
Philips TV Remote app*	Apps Channels Control NowOnTV TV Guide Video On Demand

Processing

Processing Power	Quad Core
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Sound

Output power (RMS)	20 W
Sound Enhancement	Clear Sound Smart Sound DTS-HD Premium Sound [DTS-HD Premium Sound]

Connectivity

Number of HDMI connections	4
Number of components in (YPbPr)	1
Number of USBs	2
Wireless connections	Dual Band Wi-Fi 11n 2x2 integrated
Other connections	Antenna IEC75 Common Interface Plus (CI+) Ethernet-LAN RJ-45 Digital audio out (optical) Audio L/R in Headphone out Satellite Connector
HDMI features	4K Audio Return Channel
EasyLink (HDMI-CEC)	Remote control pass-through System audio control System standby One touch play
HDCP 2.2	Yes on HDMI1 Yes on HDMI2

Multimedia Applications

Video Playback Formats	Containers: AVI, MKV H264/MPEG-4 AVC MPEG-1
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MPEG-2	
MPEG-4	
WMV9/VC1	
HEVC (H.265) [EU TV series]	
Subtitles Formats Support	.SRT .SUB .TXT .SMI
Music Playback Formats	AAC MP3 WAV WMA (v2 up to v9.2) WMA-PRO (v9 and v10)
Picture Playback Formats	JPEG

Supported Display Resolution

Computer inputs on HDMI 1/2	up to 4K UHD 3840 x 2160 @60 Hz
Computer inputs on HDMI 3/4	up to 4K UHD 3840 x 2160 @30 Hz
Video inputs on HDMI 1/2	up to FHD 1920 x 1080 @60 Hz
Video inputs on HDMI 3/4	up to 4K UHD 3840 x 2160 @60 Hz
Video inputs on HDMI 3/4	up to FHD 1920 x 1080 @60 Hz
Video inputs on HDMI 3/4	up to 4K UHD 3840 x 2160 @30 Hz

Tuner/Reception/Transmission

HEVC support	Yes
Digital TV	DVB-T/T2/T2-HD/C/S/S2
MPEG Support	MPEG2 MPEG4
Video Playback	NTSC PAL SECAM
TV Programme guide*	8-day Electronic Programme Guide
Signal strength indication	Yes
Teletext	1000-page Hypertext

Power

Off mode power consumption	0.3 W
Mains power	AC 220 - 240 V 50/60 Hz
Ambient temperature	5°C to 35°C
EU Energy Label power	85 W
Annual energy consumption	125 kW h
Energy Label Class	A+
Standby power consumption	<0.3
Power Saving Features	Auto switch-off timer Light sensor Picture mute (for radio)
Mercury content	0 mg
Presence of lead	Yes*

Dimensions

Box depth	160 mm
Box height	893 mm
Box width	1360 mm
Set Depth	68.2 mm
Set Height	730.74 mm
Set Width	1244.2 mm
Set depth (with stand)	266.3 mm
Set height (with stand)	785.7 mm
Set width (with stand)	1244.2 mm
TV stand width distance	780 mm
Product weight	15.8 kg
Product weight (+stand)	16.3 kg
Weight incl. Packaging	21.3 kg

VESA wall mount compatible 300 x 200 mm

Accessories

Included accessories Remote Control
2 x AA Batteries
Tabletop stand

Power cord
Quick start guide
Legal and safety brochure
Mini-jack to L/R cable
Mini-jack to YPbPr cable

- * EPG and actual visibility (up to 8 days) is country- and operator-dependent.
- * Android App offerings vary per country. For more details please visit your local Google Play Store.
- * Energy consumption in kWh per year based on the power consumption of the television operating 4 hours per day for 365 days. The actual energy consumption will depend on how the television is used.
- * The TV supports DVB reception for 'Free to air' broadcast. Specific DVB operators may not be supported. An up to date list can be found in the FAQ section of the Philips support website. For some operators Conditional Access and subscription are required. Contact your operator for more information.
- * Google Cast functionality is subject to Google Cast Ready apps and devices. For more details, please visit the Google Cast product page.
- * Philips TV Remote app and related functionalities vary per TV model, operator and country, as well as smart device model and OS. For more details please visit: www.philips.com/TVRemoteapp.
- * Smart TV app availability varies per TV model and country. For more details please visit: www.philips.com/smarttv.
- * USB recording for digital channels only, recordings may be limited by broadcast copy protection (CI+). Country and channel restrictions may apply.
- * Please note that your Amazon Apps may not always be available in your country. (Currently Amazon apps works only in the UK, Germany and Austria)
- * This television contains lead only in certain parts or components where no technology alternatives exist in accordance with existing exemption clauses under the RoHS Directive.



data subject to change
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