4K UHD Razor Slim TV powered by Android™ with Ambilight 4-sided and Perfect Pixel Ultra HD

• 139 cm (55")
• 4K Ultra-HD LED TV
• Hex Core, 16 GB and expandable
• Twin Tuner DVB-T/T2/C/S/S2

55PUS8601/12

4K UHD Razor Slim LED TV powered by Android

With Ambilight 4-sided

Sound never looked so good. The 8600 series with 4-sided Ambilight, stylish detachable speakers and dark chrome details takes interior design to the next level. Ultra HD and Bright Pro restore images from any source to unrivalled crispness.

Benefits

European craftsmanship
• Detachable Speakers: customise how your sound looks
• Ambilight changes the way you look at TV forever

Award winning performance
• 4K Ultra HD: resolution like you've never seen it before
• Digital Noise Reduction optimises images from any source
• Perfect Pixel Ultra HD: the ultimate in UHD Picture Quality
• The new integrated HEVC standard to enjoy high-quality 4K

Exhilarating. Limitless. Powered by Android
• Android and Hex Core for the ultimate Ultra HD experience
• Google Play store and Philips app gallery: look beyond TV
• Swipe, type, talk and more — truly Smart interaction

See how beautiful sound can be
• Be seduced by 50 W of sound delivered by 18 speakers
• Hear every detail with DTS Premium Sound

ambi ligh   androidtv   ULTRA HD

PHILIPS

Features

Detachable Speakers

Our detachable sound sticks have a seamless metal body with a polished, dark chrome finish. Ultra-slim and incredibly sleek, the innovative design is unique to Philips: they can be placed to the left and right of the TV screen, or on optional stands to create a wireless sound system.

Ambilight 4-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? Our most amazing Ambilight experience ever emits an extra-wide glow around all four sides of your TV onto the surrounding wall. Your screen seems much wider, your experience more enhanced…and your TV appears to float on air. Colour, vibrancy and excitement move beyond the screen and into your living room to bring you a viewing experience beyond the ordinary.

4K Ultra HD

Ultra HD TV has 4 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.

Advanced DNR

Your TV is an incredible machine…but it's possible that the source you view your content from isn't. Advanced DNR analyses content for imperfections and directs the incoming picture in one of two directions. Images from a good quality source are optimised to the highest level of sharpness and detail imaginable. And those from a poor quality source? They're cleaned of imperfections before being boosted to the quality level of their high-quality counterparts.

Perfect Pixel Ultra HD

Building on our award winning UHD Picture Quality heritage, we've elevated high-definition Picture Quality to a whole new level. The picture processing algorithms of our Perfect Pixel Ultra HD engine convert any input picture into crisp 4K Ultra HD resolution on your screen. The result? You'll enjoy our deepest blacks and brightest whites, the most vivid colours and natural skin tones, and our most fluid, razor sharp image — every time and from any source.
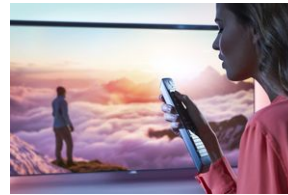
Hex Core + Android

The power of Android combined with our Hex Core processing makes streaming Ultra HD films on YouTube effortless and fun. 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.

TV Content

The Google Play store and Philips app gallery go beyond traditional TV programming to bring you a big online collection of films, TV, music, apps and games. 16 GB of expandable memory means there's plenty of room to store all your favourite content and to install more apps.

Smart Interaction

We've made our new remote controls as fun to use as the Android TVs that they're paired with. Enter text using Google voice* or a full QWERTY keyboard. Say: 'Open YouTube' to launch the app. Swipe through your family photos on our touch-sensitive swipe pad. Or simply use it as a classic remote.

18 speaker 50 W Sound system

Surround yourself in beautiful sound. The new 8600 series combines the power of two speakers at the back of the TV with 16 microdrivers (in the left and right detachable speakers) to deliver a broad, rich sound spectrum. We crafted the subwoofers from Neodymium, a premium material that creates more volume, better bass response and pure, balanced sound quality.

DTS Premium Sound

Great TV speakers demand a powerful processing engine that preserves the purity of the original audio content. DTS 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.

HEVC support for 4K broadcasts

The new integrated HEVC standard allows you to enjoy high picture quality 4K-resolution broadcasts.

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	4 sided
Ambilight Features	Wall colour adaptive
	Lounge mode
	Game Mode
	Ambilight+hue

Picture/Display

Display	4K Ultra HD LED
Diagonal screen size (metric)	139 cm
Diagonal screen size (inch)	55 inch
Panel resolution	3840 x 2160
Aspect ratio	16:9
Brightness	700 cd/m²
Pixel engine	Perfect Pixel Ultra HD
Picture enhancement	1800Hz Perfect Motion Rate
	Perfect Natural Motion
	Micro Dimming Pro
	Ultra Resolution
	Bright Pro

Android

OS	Android™ 5.1 (Lollipop)
Pre-installed apps	Google Play Movies*
	Google Play Music*
	Google Search
	YouTube
	Netflix*
Memory size	16 GB
	extendable via USB storage

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
	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 upgrade-able	Firmware auto upgrade wizard
	Firmware upgradeable via USB
	Online firmware upgrade
Screen Format Adjustments	Basic - Fill Screen
	Fit to Screen
	Advance - Shift
	Zoom, Stretch
Philips TV Remote app*	Apps
	Channels
	Control
	NowOnTV
	TV Guide
	Video On Demand
Remote Control	with Keyboard
	with Swipe
	with Voice

Processing

Processing Power	Hex Core

Sound

Output power (RMS)	50 W, Extendable to 70 W
Sound Enhancement	Clear Sound
	DTS Studio Sound
	Smart Sound

Connectivity

Number of HDMI connections	4
Number of scarts (RGB/CVBS)	1
Number of USBs	3
Wireless connections	Dual Band
	Wi-Fi 11n 2x2 integrated
	Wi-Fi 11ac 2x2 integrated
	Wi-Fi Direct
Other connections	Antenna IEC75
	Common Interface Plus (CI+)
	Ethernet-LAN RJ-45
	Digital audio out (optical)
	Audio L/R in
	Audio in (DVI)
	Headphone out
	Service connector
	2 x Satellite input
	VP9 @UHD
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 all HDMI

Multimedia Applications

Video Playback Formats	Containers: AVI, MKV
	H264/MPEG-4 AVC
	MPEG-1
	MPEG-2
	MPEG-4
	WMV9/VC1
	HEVC
	VP9
Subtitles Formats Support	.SMI
	.SRT
	.SSA
	.SUB
	.TXT
	.ASS
Music Playback Formats	AAC
	MP3
	WAV
	WMA (v2 up to v9.2)
	WMA-PRO (v9 and v10)
Picture Playback Formats	JPEG
	BMP
	GIF
	JPS
	PNG
	PNS
	BMS
	MPO

Supported Display Resolution

Computer inputs on all HDMI	@60 Hz
	up to 4K Ultra HD 3840 x 2160
Video inputs on all HDMI	@ 24, 25, 30, 50, 60 Hz
	up to 4K Ultra HD 3840 x 2160p

Tuner/Reception/Transmission

HEVC support	Yes
Digital TV	2 x DVB-T/T2/C/S/S2
MPEG Support	MPEG2
	MPEG4
Video Playback	NTSC
	PAL

data subject to change
2016, November 25

TV Programme guide*	SECAM
	8-day Electronic Programme Guide
Signal strength indication	Yes
Teletext	1000-page Hypertext

Power

Mains power	AC 220 - 240 V 50/60 Hz
Ambient temperature	5°C to 35°C
EU Energy Label power	115 W
Annual energy consumption	160 kW·h
Energy Label Class	A
Standby power consumption	< 0.3 W
Off mode power consumption	< 0.3 W
Power Saving Features	Auto switch-off timer
	Light sensor
	Picture mute (for radio)

Dimensions

Box depth	199 mm
Box height	935 mm
Box width	1370 mm
Set Depth	17 mm

Set Height	709 mm
Set Width	1227 mm
Set depth (with stand)	227 mm
Set height (with stand)	758 mm
Set width (with stand)	1317 mm
Product weight	19 kg
Product weight (+stand)	20.6 kg
Weight incl. Packaging	26.2 kg
VESA wall mount compatible	200 x 200 mm

Accessories

Included accessories	Remote Control
	2 x AA Batteries
	Tabletop stand
	Power cord
	Quick start guide
	Legal and safety brochure
	Detachable Speakers
Optional accessories	Detachable Speaker stand PTA860
	TV Central Stand PTS840

* 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.

* (Philips) only compatible with specific Philips player device.

* 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.

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