

SUPER UHD TV



SM86

Product Sheet

NANO CELL TECHNOLOGY

Super UHD TVs with Nano Cell Technology provide strikingly vivid, eye-catching colour and the UHD/4K resolution enhances everyone's viewing experience, even on the biggest of TV screens.

α7 Gen2 Intelligent Processor

The powerful NEW Alpha 7 Gen2 Intelligent Processor delivers enhanced picture and audio for a truly spectacular viewing and sound experience. For the big movies, big games or big nights in, it's perfect.

TRUMOTION 200

Tru Motion 200 with backlight scanning helps reduce motion blur for improved sporting action.


AI ThinQ™ with Google Assistant

LG AI ThinQ™ TV's let you access the enormous power of Google Assistant through your LG TV's Magic Remote or compatible smart device.⁸



Experience stunning colour and super-smooth fast moving images with the LG Super UHD SM86. Nano Cell Technology, results in outstanding colours and enhanced viewing from wide angles. All of which is super-charged by the NEW Alpha 7 Gen2 Intelligent Processor to deliver an incredible viewing experience for your big games.

SM86	Super UHD TV with LG AI ThinQ
DISPLAY & PICTURE QUALITY	
Screen Type	LED/LCD
Screen size	55" (139cm), 65" (164cm), 75" (189cm)
Resolution	3840 x 2160
Motion Rate	Tru Motion 200 with backlight scanning
HDR Format ¹	Dolby Vision™, HDR10, HLG
Wide Colour Gamut	●
Nano Cell Technology	●
Backlight Type	Edge
Absolute Black	-
Local Dimming	●
ULTRA Luminance	● (Pro)
Picture Modes	10 (Vivid, Standard, Technicolor, APS, Cinema, Cricket, Game, HDR Effect, ISF Bright Room, ISF Dark Room)
HDR Picture Modes	6 (Vivid, Standard, Technicolor, Cinema Home, Cinema, Game)
Dolby Vision™ Picture Modes	5 (Vivid, Standard, Cinema Home, Cinema, Game)
Colour Bit Depth	10-bit
Image Processor	α7 Gen 2 Intelligent Processor
Tuner	MPEG-2/4 DVB-T2 (Single)
Resolution Upscaling ²	4K Upscaler
AI Picture	●
AI Brightness (HDR content only)	●
Motion Pro (Black Frame Insertion)	●
Noise Reduction	Quad Step
CONVENIENCE FEATURES	
Magic Remote	●
Intelligent Voice Control ³	●
Electronic Programme Guide (SI - 8 days)	●
User Guide (Built-in)	●
Time Machine Compatible ⁴	●
Time Shift	●
Universal Remote Feature ⁵	●
USB Video Playback Formats	ASF/WMV/AVI (Xvid, H.264/AVC)/ MP4/M4v/MOV (H.264, H.265, MPEG-4, HEVC)/ MKV (MPEG-2, MPEG-4, H.264, H.265, VP8, VP9, HEVC) SHVC/TS/TRP/TP/MTS/MPG/3GP/3G2 MPEG/DAT/VOB/HEVC (Up to 4096x2160p@120p)
USB Music Playback Formats	MP3/WAV/WMA/OGG/FLAC
USB Photo Playback Formats	JPEG/PNG/BMP
Gallery	●
Multi-View	●
Simplink (HDMI CEC)	●
Variable Refresh Rate (VRR) ⁶	-
Auto Low Latency Mode (ALLM) ⁶	●
SMART TV FEATURES	
AI ThinQ ⁷	●
Smart TV Operating System	webOS 4.5 Smart TV
Works with Google Assistant ⁸	●
Home Dashboard	●
Wi-Fi	● (802.11ac)
4K UHD Streaming	●
Web Browser ⁹	●
FreeviewPlus (HbbTV) ¹⁰	●
Netflix ¹¹	●
Google Home Compatible ¹²	●
All product specifications correct at time of printing. Specifications may change without prior notice. Customers are advised to check with your retailer before purchase.	

	
SMART SHARE FEATURES	
Network File Browser	●
Miracast ¹³	●
Smartphone Remote App ¹⁴	LG TV Plus
AUDIO FEATURES	
Audio Output	75": 40W 65", 55": 20W 75" : 2 way 4 speakers
Speaker System	(2 x High-Mid-range, 2 x Woofers) 65", 55" : Stereo (2 x Full-range)
Audio Decoder	AC3, HE-AAC, AAC, MP2, MP3, PCM, DTS, DTS-HD, DTS Express, WMA, apt-X, ADPCM, LPCM, MPEG-1, Dolby Digital, Dolby Digital Plus, Dolby AC-4
Virtual Surround	Dolby Atmos
Bluetooth Headphone Compatible	● (Bluetooth 5)
WISA Speaker 2.0Ch Compatible ¹⁵	●
Sound Modes	6 (Standard, Cinema, Clear Voice III, Cricket (Sports), Music, Game)
AI Sound	●
Phone Bluetooth Connectivity	● (Music)
Sound Sync Wireless (LG TV) ¹⁶	●
Audio Return Channel (ARC) ¹⁷	ARC (HDMI 2)
CONNECTIONS	
HDMI ¹⁸	● (4)
USB 2.0	● (3)
RF Antenna Input	● (1)
Component/Composite Input	● (Phone Jack Type - Shared Audio)
Headphone (3.5mm) Output	● (1)
Digital (Optical) Audio Output	● (1)
LAN Port	● (1)
DIMENSIONS AND REGULATORY	
TV with Stand (WxHxD)	75": 1683mm x 1043mm x 370mm 65": 1451mm x 910mm x 324mm 55": 1232mm x 786mm x 263mm
TV without Stand (WxHxD)	75": 1683mm x 974mm x 65mm 65": 1451mm x 840mm x 64mm 55": 1232mm x 716mm x 64mm
Net Weight with Stand (kg)	75": 41.6kg 65": 25.8kg 55": 18.7kg
Net Weight without Stand (kg)	75": 38.8kg 65": 24.1kg 55": 17.2kg
Carton (WxHxD)	75": 1839mm x 1166mm x 231mm 65": 1600mm x 1035mm x 207mm 55": 1360mm x 880mm x 175mm
Gross Weight of Carton (kg)	75": 49.5kg 65": 31.6kg 55": 22.2kg
VESA size	75": 600 x 400 65", 55": 300 x 300* *(LG OLW480B bracket recommended)
Energy Star Rating	75", 65": 5 ½ Stars 55": 5 Stars
EAN	75": 8806098357741 65": 8806098358489 55": 8806098357826
WARRANTY PERIOD	
1 Year Warranty - Parts and Labour	
FURTHER INFORMATION	
1 HDR playback for HDMI, USB and IPTV streaming services. HDR broadcasts currently not available in Australia.	
2 Image quality of upscaled content will vary based on the source resolution.	
3 Voice Control feature is not available in all languages and dialects. Depending on ambient noise, voice clarity and available content or source material, voice commands may not always deliver or respond to the requested command.	
4 Dedicated USB Hard Drive (80GB ~ 2TB) required for recording and live playback function (sold separately).	
5 Some brands not supported, check website for details: www.lgappstv.com/appspc/oss/support/lge	
6 Feature activated when connected to a compatible device	
7 AI ThinQ feature is not available in all languages and dialects. Depending on ambient noise, voice clarity and available content or source material, voice commands may not always deliver or respond to the requested command.	
8 Wi-Fi network and Google Account required. Controlling devices and features requires compatible smart devices. Features and services may be changed without notice. To learn more, visit LG.com. Google is a trademark of Google LLC.	
9 Internet connection required. Internet usage charges and conditions apply. WebOS internet browser supports HTML5, VP9 and HEVC. Content and features will vary from time to time without notice.	
10 FreeviewPlus uses HbbTV technology which combines broadcast and internet streaming. Internet connection is required. Data usage charges and conditions apply.	
11 Subscription membership required. Netflix provides content in SD, HD and 4K Ultra HD. Netflix requires a steady internet connection speed of at least 25mbps to stream 4K Ultra HD content, otherwise content will be downscaled to either HD or SD quality based on the available bandwidth. Speeds of 25mbps available in limited locations and may vary depending on time of day. Data usage charges apply.	
12 Google Assistant enabled device required, sold separately.	
13 Miracast compatible Android device required for this feature.	
14 LG TV Plus+ on compatible Android devices (Android 4.2+) and iOS devices (iOS 6.1+). Device must be in range, on the same Wi-Fi network as the TV.	
15 WISA compatible speakers required to use this feature. Sold Separately	
16 Uses Bluetooth® 5 technology to send audio to compatible LG home audio products.	
17 Designed to work with compatible LG Audio only	
18 SM86, SM81, UM76, UM73: HDMI ports support HDCP 2.2 and 60fps @ 2160p. W9 ~ B9, SM94 ~ SM90: HDMI ports support HDCP 2.3 and 120fps @ 2160p. Z9, SM99: HDMI ports support HDCP 2.3 and 60fps @ 4320p	