# **UP80**



# UHD TV with LG AI ThinQ









#### Real 4K UHD. Unreal immersion\*

Whether it's cinema, sports or games, UHD TV displays realistic images with vivid colour, fine detail and up to four times the pixels of Full HD. Take your entertainment to a new level<sup>2</sup>.

\*Native 4K content is required for full 4K resolution effect.



#### α7 Gen4 AI Processor 4K Powerful to the core

Stunning TV, powered by technology. The  $\alpha 7$  Gen4 AI processor at the core of NanoCell uses machine learning algorithms to analyse and optimise your entertainment. With automatic adjustments to picture and sound, whatever you watch can appear spectacular. <sup>2</sup>



# Think you know smart? Think again

LG AI ThinQ is here to maximise your smart TV experience. Use your favourite voice assistant to control your TV, and discover the convenience of an all-new Home screen.<sup>12</sup>



## Cinema HDR Original colours

Unlock the brightness, colour and detail in High Dynamic Range<sup>1</sup> movies and games. Cinema HDR helps reveal the enhanced picture quality of Dolby Vision and other HDR10 content, so that images look as close as possible to how they were mastered.



### Entertainment. Home to all your Favourites

Dive into the latest movies, TV shows, documentaries, live sports and more, with Disney+, Stan, Amazon Prime, Optus Sports, the Apple TV app, Foxtel, and Netflix. It's all in the one place, so just sit back and enjoy. $^{12\,13\,15}$ 



Version 2 13/05/2021

86UP80	
DISPLAY & PICTURE QUAL	ITY
Screen Type	: LED/LCD
Screen size	86" (217cm)
Resolution	3840 x 2160
Motion Rate	Tru Motion 200 with backlight scanning
HDR Format <sup>1</sup> Dolby Vision IQ <sup>TM1</sup>	Dolby Vision <sup>TM,</sup> HDR10, HLG
HDR10 Pro <sup>1</sup>	•
Wide Colour Gamut	-
Nano Colour	-
Backlight Type Local Dimming	Direct LED -
ULTRA Luminance	•
	9 (Vivid, Standard, FILMMAKER MODE™, APS,
Picture Modes	Cinema, Cricket, Game Optimiser, ISF Bright Room ISF Dark Room)
	6 (Vivid, Standard, FILMMAKER MODE™, Cinema
HDR Picture Modes	Home, Cinema, Game Optimiser)
Dolby Vision ™ Picture Modes	5 (Vivid, Standard, Cinema Home, Cinema, Game
	Optimiser) 10-bit Processing
Colour Bit Depth Image Processor	α7 Gen 4 Al Processor 4K
Tuner	MPEG-2/4 DVB-T2 (Single)
Resolution Upscaling <sup>2</sup>	4K Upscaler
Al Picture Al Brightness	● (HDR)
Auto Genre Selection	• (Dolby Vision content only)
FILMMAKER MODE™	•
Motion Pro (Black Frame Insertion	-
Noise Reduction	• (LIDM): 41/Q120fps)
High Frame Rate (HFR) <sup>3</sup>	• (HDMI: 4K@120fps)
CONVENIENCE FEATURES	
Magic Remote	•
Intelligent Voice Control <sup>4</sup> Hands-Free Voice Control <sup>4</sup>	_
Electronic Programme Guide	
(SI - 8 days)	•
User Guide (Built-in)	•
Time Machine Compatible <sup>5</sup>	•
Time Shift <sup>5</sup>	
Universal Remote Feature <sup>6</sup> Photo Playback Formats	JPEG/PNG/BMP
Music Playback Formats	MP3/WAV/WMA/OGG/FLAC
Video Playback Formats	ASF/WMV/AVI (Xvid, H.264/AVC)/ MP4/M4v/MOV (H.264, H.265, MPEG-4, HEVC), AV1/ MKV (MPEG-2, MPEG-4, H.264, H.265, VP8, VP9, HEVC AV1)TS/TRP/TP/MTS/MPG/3GP/3G2/MPEG/DAT/ VOB /HEVC (Up to 3840x2160 @ 120p) / AV1 (Up to 3840x2160 @ 60p)
Art Gallery	•
Sports Alert <sup>7</sup>	•
SIMPLINK (HDMI CEC)	•
GAMING FEATURES	
Variable Refresh Rate (VRR) <sup>8</sup>	
NVIDIA G-SYNC® Compatible9	-
AMD FreeSync® Premium <sup>10</sup>	
HGiG Mode	
Auto Low Latency Mode (ALLM) Game Optimiser	
	<u> </u>
SMART TV FEATURES ThinQ <sup>11</sup>	
Smart TV Operating System	webOS 6.0 Smart TV
Hey Google (Google Assistant) <sup>12</sup>	•
Amazon Alexa Built In <sup>12</sup>	•
Works with Apple Homekit <sup>12</sup>	•
Home Dashboard	•
Wi-Fi	• (802.11ac)
Web Browser <sup>13</sup> FreeviewPlus (HbbTV) <sup>14</sup>	•
Smart Speaker Compatible 16	
LIPS I I I S HOLLING HOLL	

1 HDR playback for HDMI, USB and IPTV streaming services. HDR broadcasts currently not available in Australia. Compatible
Dolby Vision High Dynamic Range content required for full HDR effect. Dolby Atmos source content required for full audio
- CC

- effect.
  2 Image quality of upscaled content will vary based on the source resolution.
  3 Feature activated when showing HFR content and connected to a compatible device. Supports up to 40Gbps bandwidth, allowing up to 4K 120Hz 4/44 @ 10-bit per component.
  4 Voice Control features may not be available in all languages and dialects. Refer to source material. ThinQ TV control voice
- 4 voice Control reactures may not be available in all languages and placets, kerer to source material, ining I v control commands are supported.

  5 Dedicated USB Hard Drive required for recording and live playback function (sold separately), exFAT not supported.

  6 Some brands not supported, check website for details: www.lgappstv.com/appspc/oss/support.lge

  7 Features and services may change without notice.

  8 Feature activated when connected to a compatible device and compatible content.

  9 Only RTX 20-series, 30-series and GTX 16-series GPUs will support G-SYNC Compatible with LG OLED TVs.

  10 Feature activated when connected to a compatible device and capable content.

- 11 Al 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.

SMART SHARE FEATURES	
Network File Browser	•
Smart Share (Miracast) <sup>18</sup>	● (PIP/Full Screen)
Smartphone Remote App <sup>19</sup>	LG ThinQ
Works with Apple AirPlay <sup>20</sup>	•
AUDIO FEATURES	<u> </u>
Audio Output	20W
Audio Decoder	HE-AAC, AAC, MP2, MP3, PCM, WMA, apt-X, LPCM, MPEG-1, AC3 (Dolby Digital), EAC3 (Dolby Digital+) AC-4 (Dolby Atmos)
Virtual Surround	Dolby Atmos
WiSA Speaker 2.1ch Compatible <sup>21</sup>	
	7 (Al Sound Standard Cinema Clear Voice Pro
Sound Modes	7 (Al Sound, Standard, Cinema, Clear Voice Pro, Cricket (Sports), Music, Game Optimiser)
Al Sound	•
Bluetooth Surround Compatible <sup>22</sup>	•
LG Sound Sync (LG TV Bluetooth) <sup>23</sup>	
Enhanced Audio Return Channel <sup>23</sup>	• (eARC)
	· · · · · · · · · · · · · · · · · · ·
LG TV Sound Mode Share (LG Soundbar Mode Control) <sup>23</sup>	•
CONNECTIONS	
HDMI <sup>24</sup>	• (4)
USB	• (3)
RF Antenna Input	• (1)
	- (1)
Composite/Component Input	- (1)
Headphone (3.5mm) Output	• (1)
Digital (Optical) Audio Output	• (1)
LAN Port	• (1)
IR Blaster	-
Gallery Stand Compatible	TODY
DIMENSIONS AND REGULATV with Stand (WxHxD)	1927mm x 1167mm x 362mm
	1927mm x 1104mm x 60mm
TV without Stand (WxHxD)	
TV Stand (WxD)	1532mm x 362mm
Net Weight with Stand (kg)	45.9kg
Net Weight without Stand (kg)	45.2kg
Carton (WxHxD)	2115mm x 1215mm x 228mm
Gross Weight of Carton (kg)	58.4kg
VESA size	600 x 400
Energy Star Rating	4 Stars
EAN	8806091210715
WARRANTY PERIOD	1 Voor Warranty Parts and Labour

12 Google Assistant™ and Amazon Alexa™ functionality require an internet connection as well as a Google or Amazon Account (as applicable). Apple AirPlay® requires a Wi-Fi connection. Controlling devices and features requires compatible smart devices. Subscriptions may be required to access certain content. Some features and services may be changed without notice. Depending on language, voice clarity and available content or source material, voice commands may not always deliver or respond to the requested command. Google is a trademark of Google LLC. Amazon, Alexa and all related logos and motions are trademarks of Amazon.com, Inc. or its affiliates. AirPlay is a trademark of Apple Inc.

1 Year Warranty - Parts and Labour

are trademarks of Amazon.com, Inc. or its affiliates. AirPlay is a trademark of Apple Inc.

13 Internet usage charges and conditions apply. WebOS internet browser supports AV1, HTML5, VP9 and HEVC, not for
video streaming. Content and features will vary from time to time without notice.

14 Freeview uses HbDT technology which combines broadcast & internet streaming. Data usage charges & conditions apply.

15 Subscription membership and high internet speed (25 mbps) required for content in 4K Ultra HD, otherwise content will
be downscaled to either HD or SD quality based on the available bandwidth and time of day.

16 Hey Google, Apple HomeKit or Amazon Alexa enabled device required, sold separately.

17 Homp Wife, and IC Third appropriated (Compatible with Android 27). (or, Istay) Market, Tan feature compatible with NEC.

- 17 Home Wi-Fi and LG ThinQ app required. Compatible with Android 7.0 (or later). Magic Tap feature compatible with NFC

Warranty Period

- 17 Home Wi-H and LG. ThinQ app required. Compatible with Android 7.U (or later). Magic Tap feature compatible with NFC enabled Android phones.

  18 Miracast compatible Android device required for this feature.

  19 LG Thinq App on compatible Android devices (Android 5.0-) and iOS devices (iOS 11+). Device must be in range, on the same Wi-Fi network as the TV.

  20 Apple AirPlay 2® and HomeKit® requires a Wi-Fi connection. Controlling devices and features requires compatible smart devices. Subscriptions may be required to access certain content. Some features and services may be changed without notice. devices. Subscriptions may be required to access certain content. Some features and services may be changed without no Depending on language, voice clarity and available content or source material, voice commands may not always deliver or respond to the requested command. AirPlay® and HomeKit® are trademarks of Apple Inc.

  21 WiSA compatible speakers required. (Sold Separately)
  22 Feature requires two matching compatible LG Bluetooth Speakers.

  23 Designed to work with compatible LG audio devices only.

  24 B1, NANO91, NANO86, 86NANO75, 86UP80: HDMI ports 3 & 4 support HDCP 2.3, 120fps @ 2160p

  5. The cable graw be wisible depending on installation environment. Depending on installation environment, there may be

- 25 The cable may be visible depending on installation environment. Depending on installation environment, there may be a slight gap between the TV and the wall.

All product specifications correct at time of printing. Specifications may change without prior notice. Customers are advised to check with your retailer before purchase.