

# OLED TV with LG AI ThinQ

77", 65", 55"



## SELF-LIT PiXELS. Millions of reasons to love OLED

When it comes to picture quality, OLED stands apart. That's because OLED has millions of self-lit pixels capable of producing perfect black and a billion rich colours. The result is a viewing experience like no other.



## a9 Gen 5 AI Processor. Engineered for excellence

The brains behind the beauty. The powerful a9 Gen 5 AI Processor can enhance objects in the foreground and background to add natural depth to images, and helps make colours appear vivid and accurate.



## 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>



## Dynamic Tone Mapping PRO. The details set the tone

All-new Dynamic Tone Mapping Pro goes deeper to improve the picture. Previously, it elevated just the frames. Now, the technique hones in on 5,184 areas across the screen, for more vivid and detailed High Dynamic Range (HDR10) pictures.

*\*Image quality dependent on source material.*



## Ultimate GamePlay. A powerful winning machine

Go to the next level with Dolby Vision gaming at 4K 120Hz. With a 1ms response time, NVIDIA G-Sync compatibility, AMD FreeSync™ Premium, and VRR support, even ultra-fast action can appear clear and smooth.

*\*Feature activated when showing HFR content and connected to a compatible gaming device with an Ultra High Speed HDMI certified cable. All HDMI ports receive up to 48Gb/s bandwidth (supporting up to 4K 120Hz 4:4:4 RGB @ 12 bits per component).*



## DISPLAY &amp; PICTURE QUALITY

|                                    |  |
|------------------------------------|--|
| Screen Type                        | OLED   |
| Screen size                        | 55" (139cm), 65" (164cm), 77" (195cm)  |
| Resolution                         | 3840 x 2160  |
| Motion Rate                        | 1ms Response Time  |
| Wide Colour Gamut                  | ●  |
| Backlight Type                     | None   |
| Perfect Black                      | ●  |
| Local Dimming                      | -  |
| Brightness Booster                 | -  |
| Colour Bit Depth                   | 10-bit   |
| HDR Format <sup>1</sup>            | Dolby Vision™, HDR10, HLG  |
| Dolby Vision IQ™ <sup>1</sup>      | ●  |
| HDR10 Pro <sup>1</sup>             | ●  |
| Dynamic Tone Mapping               | ● (PRO)  |
| Picture Modes                      | 9 (Vivid, Standard, FILMMAKER MODE™, APS, Cinema, Cricket, Game Optimiser, ISF Bright Room, ISF Dark Room) |
| HDR Picture Modes                  | 6 (Vivid, Standard, FILMMAKER MODE™, Cinema Home, Cinema, Game Optimiser)                                  |
| Dolby Vision™ Picture Modes        | 5 (Vivid, Standard, Cinema Home, Cinema, Game Optimiser)   |
| Image Processor                    | α9 Gen 5 AI Processor 4K   |
| Resolution Upscaling <sup>2</sup>  | 4K Upscaler  |
| AI Picture                         | ● (PRO)  |
| AI Brightness                      | ● (HDR)  |
| Auto Genre Selection               | ● (SDR/HDR/Dolby Vision)   |
| FILMMAKER MODE™                    | ●  |
| Motion Pro (Black Frame Insertion) | OLED Motion  |
| Noise Reduction                    | ●  |
| High Frame Rate (HFR) <sup>3</sup> | ● (HDMI/USB: 4K@120fps)  |
| Tuner                              | MPEG-2/4 DVB-T2 (Single)   |

## CONVENIENCE FEATURES

|  |   |
|--|---|
| Magic Remote <sup>4</sup>              | ● (With Magic Tap)  |
| Intelligent Voice Control <sup>5</sup> | ●   |
| Hands-Free Voice Control <sup>5</sup>  | -   |
| Electronic Programme Guide             | ●   |
| User Guide (Built-in)                  | ●   |
| Time Machine Compatible <sup>6</sup>   | ● (with Time Shift)   |
| Universal Remote Feature <sup>7</sup>  | ●   |
| Photo Playback Formats                 | JPEG/PNG/BMP/AVIF/HEIC/HEIF   |
| Music Playback Formats                 | MP3/WAV/WMMA/OGG/FLAC<br>ASF/WMV/AVI (Xvid, H.264/AVC)/MP4/M4v/<br>MOV (H.264, H.265, MPEG-4, HEVC, AV1), AV1/<br>MKV (MPEG-2, MPEG-4, H.264, H.265, VP8,<br>HEVC, AV1) TS/TRP/TP/MTS/MPG/3GP/3G2/<br>MPEG/DAT/VOB/HEVC (Up to 3840x2160 @<br>120p) / AV1 (Up to 3840x2160 @ 60p) |
| Video Playback Formats                 |   |
| Art Gallery                            | ●   |
| Sports Alert <sup>7</sup>              | ●   |
| SIMPLINK (HDMI-CEC)                    | ●   |
| Multi View                             | ●   |
| Always Ready                           | -   |

## GAMING FEATURES

|  |   |
|--|---|
| Variable Refresh Rate (VRR) <sup>8</sup> | ● |
| AMD FreeSync® Premium <sup>8</sup>       | ● |
| NVIDIA G-SYNC® Compatible <sup>9</sup>   | ● |
| NVIDIA GeForce Now <sup>10</sup>         | ● |
| HGiG Mode                                | ● |
| Auto Low Latency Mode (ALLM)             | ● |
| Game Optimiser/Dashboard                 | ● |

## SMART TV FEATURES

|  |                   |
|--|-------------------|
| AI ThinQ <sup>12</sup>                 | ●                 |
| Smart TV Operating System              | webOS 22 Smart TV |
| Hey Google <sup>13</sup>               | ●                 |
| Amazon Alexa Built In <sup>13</sup>    | ●                 |
| Works with Apple HomeKit <sup>13</sup> | ●                 |
| Smart Speaker Compatible <sup>13</sup> | ●                 |
| Home Dashboard                         | ●                 |

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 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 4:4:4 @ 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 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/apps/pc/oss/support.lge](http://www.lgappstv.com/apps/pc/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 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.  
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.

## SMART TV FEATURES CONT.

|                                    |                       |
|------------------------------------|-----------------------|
| Wi-Fi                              | ● Wi-Fi-5, (802.11ac) |
| Web Browser <sup>14</sup>          | ●                     |
| FreeviewPlus (HbbTV) <sup>15</sup> | ●                     |

## SMART SHARE FEATURES

|  |                     |
|--|---------------------|
| Network File Browser                     | ●                   |
| Smart Share (Miracast) <sup>16</sup>     | ● (PIP/Full Screen) |
| Smartphone Remote App <sup>17</sup>      | LG ThinQ            |
| Works with Apple AirPlay 2 <sup>18</sup> | ●                   |

## AUDIO FEATURES

|                                      |  |
|--------------------------------------|--|
| Audio Output                         | 40W  |
| 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 2.1ch Compatible <sup>19</sup>  | ●  |
| Sound Modes                          | 7 (AI Sound Pro, Standard, Cinema, Clear Voice Pro, Cricket (Sports), Music, Game Optimiser)                         |
| AI Sound                             | ● (Pro)  |
| LG Sound Sync <sup>20</sup>          | ● (LG TV Bluetooth)  |
| Audio Return Channel <sup>21</sup>   | ● (eARC, supporting Dolby Atmos pass-  |
| LG TV Sound Mode Share <sup>22</sup> | ●  |

## CONNECTIONS

|   |   |
|---|---|
| HDMI <sup>23</sup>                                  | ● (4)   |
| USB   | ● (3)   |
| RF Antenna Input                                    | ● (1)   |
| Digital (Optical) Audio Output                      | ● (1)   |
| LAN Port  | ● (1)   |
| IR Blaster  | -   |
| Gallery Stand Compatible (FS21GB - Sold Separately) | ● (FS21GB/FS22GB suits 55", 65", sold separately) |

## DIMENSIONS AND REGULATORY

|                               |  |
|-------------------------------|--|
| TV with Stand (WxHxD)         | 77": 1723mm x 1023mm x 269mm<br>65": 1449mm x 862mm x 251mm<br>55": 1228mm x 738mm x 251mm |
| TV without Stand (WxHxD)      | 77": 1723mm x 993mm x 56mm,<br>65": 1449mm x 832mm x 47mm,<br>55": 1228mm x 708mm x 47mm   |
| TV Stand (WxD)                | 77": 1199mm x 269mm,<br>65": 998mm x 251mm, 55": 998mm x 251mm                             |
| Net Weight with Stand (kg)    | 77": 35.9kg,<br>65": 32.6kg, 55": 23kg   |
| Net Weight without Stand (kg) | 77": 26.7kg,<br>65": 24kg, 55": 18.9kg   |
| Carton (WxHxD)                | 77": 1879mm x 1130mm x 285mm<br>65": 1677mm x 950mm x 207mm<br>55": 1345mm x 810mm x 207mm |
| Gross Weight of Carton (kg)   | 77": 46.4kg,<br>65": 41.2kg, 55": 28.6kg   |
| VESA size                     | 77": 400 x 200, 65": 300 x 200<br>(LG OLV480B bracket recommended)                         |
| Energy Star Rating            | 77": 5 ½ Stars, 65": 5 Stars,<br>55": 4 ½ Stars  |
| EAN                           | 77": 8806091893963,<br>65": 8806091893970, 55": 8806091893987                              |

## WARRANTY PERIOD

|                 |                                    |
|-----------------|------------------------------------|
| Warranty Period | 1 Year Warranty - Parts and Labour |
|-----------------|------------------------------------|

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 HbbTV 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 Home Wi-Fi and LG ThinQ app required. Compatible with Android 7.0 (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. 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 G2, C2, CS, LX3, LX1 : HDMI ports support HDCP 2.3, 120fps @ 2160p

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.