

OLED

CX
(77",65",55")

Product Sheet

a9 Gen 3 AI Processor 4K

An evolutionary TV experience. With deep learning algorithms, the a9 Gen3 AI Processor analyses the on-screen content to deliver content that is incredibly immersive. Adjustments are automatic, enhanced for optimum picture and sound, to make every viewing a spectacular one.

Dolby Vision IQ & Dolby ATMOS

Enjoy professionally mastered visual and sound at home. Watch Dolby enhanced movies the way they should be - absolutely breathtakingly¹. With Dolby Vision IQ, the screen brightness, colour and contrast are intelligently adjusted for content and lighting conditions. Plus, Dolby Atmos delivers an immersive audio experience, for maximum enjoyment.

A World of Entertainment

Dive into a wide variety of content to choose from with Disney+, the Apple TV app and Netflix²⁰. From the latest movies, TV shows, and documentaries, to live sports and more, find them all in one place. Just sit back and enjoy. *Apple, the apple logo, and Apple TV are trademarks of Apple Inc, registered in the US and other countries. Apple TV+ is a trademark of Apple Inc.

Self-Lighting OLED

OLED technology is unique thanks to its self-lighting pixel technology. Over 8 million self-lighting pixels come together to deliver the next level of TV. Enjoy deep blacks, rich colours, and realistic picture quality.

HDMI 2.1

Smoother gameplay for the win. The certified high performance HDMI 2.1 hardware enables High Frame Rate (HFR is 4K HDR at 120fps³), 48Gbps bandwidth, Variable Refresh Rate (VRR), ALLM and eARC¹⁵. These latest features allow for fast-moving content in high-resolution and smooth, synchronised graphics. It's a more lifelike gaming experience.



DISPLAY & PICTURE QUALITY

Screen Type	OLED
Screen size	55" (139cm), 65" (164cm), 77" (195cm)
Resolution	3840 x 2160
Motion Rate	-
HDR Format ¹	Dolby Vision™, HDR10, HLG
Dolby Vision IQ™ ¹	•
HDR10 Pro ¹	•
Wide Colour Gamut	•
Nano Cell Technology	-
Backlight Type	None
Perfect Black	•
Local Dimming	-
ULTRA Luminance	• (Pro)
Picture Modes	10 (Vivid, Standard, FILMMAKER MODE™, APS, Cinema, Cricket, Game, HDR Effect, ISF Bright Room, ISF Dark Room)
HDR Picture Modes	5 (Vivid, Standard, FILMMAKER MODE™, Cinema Home, Cinema)
Dolby Vision™ Picture Modes	5 (Vivid, Standard, Cinema Home, Cinema, Game)
Colour Bit Depth	10-bit
Image Processor	α9 Gen 3 AI Processor 4K
Tuner	MPEG-2/4 DVB-T2 (Single)
Resolution Upscaling ²	4K Upscaler
AI Picture	• (Pro)
AI Brightness	• (HDR)
Auto Genre Selection	•
FILMMAKER MODE™	•
Motion Pro (Black Frame Insertion)	•
Noise Reduction	•
High Frame Rate (HFR) ³	• (HDMI/USB: 4K@120fps)

CONVENIENCE FEATURES

Magic Remote	•
Intelligent Voice Control ⁴	•
Hands-Free Voice Control ⁵	-
Electronic Programme Guide (SI - 8 days)	•
User Guide (Built-in)	•
Time Machine Compatible ⁶	•
Time Shift	•
Universal Remote Feature ⁷	•
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, HEVC) / AVC/TS/TRIP/TMITS/MPG/3GP/3G2 / MPEG/DAT/VOB/HEVC (Up to 4096x2160 @ 120p) / VP9 & AV1 (Up to 4096x2160 @ 60p)
Music Playback Formats	MP3/WAV/WMA/OGG/FLAC
Photo Playback Formats	JPEG/PNG/BMP
Gallery	•
Sports Alert ⁸	•
SIMPLINK (HDMI CEC)	•

GAMING FEATURES

Variable Refresh Rate (VRR) ⁹	•
Nvidia G-Sync ¹⁰	•
AMD FreeSync	•
HGIG Mode	•
Auto Low Latency Mode (ALLM) ¹¹	•

WARRANTY PERIOD

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

FURTHER INFORMATION

- HDR playback for HDMI, USB and IPTV streaming services. HDR broadcasts currently not available in Australia.
- Image quality of upscaled content will vary based on the source resolution.
- Feature activated when showing HFR content and connected to a compatible device.
- Voice Control feature is not available in all languages and dialects. Depending on ambient noise, voice clarity and available content source material, voice commands may not always deliver or respond to the requested command.
- ThinQ TV control voice commands are supported. Ambient noise, language, dialect and voice clarity restrictions apply.
- Dedicated USB Hard Drive required for recording and live playback function (sold separately).
- Some brands not supported, check website for details: www.lgappstv.com/appsps/oss/support.lge
- Features and services may change without notice.
- Feature activated when connected to a compatible device and compatible content.
- Only RTX 20-series and GTX 16-series GPUs will support G-SYNC Compatible with LG OLED TVs.
- Feature activated when connected to a compatible device and capable content.
- WISA compatible speakers required to use this feature. Sold Separately.
- Feature requires two matching compatible Bluetooth Speakers (others (JBL Clip 3, Go 2, Bose Soundlink Micro and Mini 2, UE Wonderboom, Marshall Stockwell II, B&O Beoplay P2, Canston LX-C600, Sony SRS-XB22).
- Uses Bluetooth® 5 technology to send audio to compatible LG home audio products.
- Designed to work with compatible LG Audio only.
- 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.

AUDIO FEATURES

Audio Output	40W
Audio Decoder	AC3, HE-AAC, AAC, MP2, MP3, PCM, WMA, apt-X, ADPCM, LPCM, MPEG-1, Dolby Digital, Dolby Digital Plus, Dolby AC-4
Virtual Surround	Dolby Atmos
Bluetooth Music Playback	• (Bluetooth 5)
WISA Speaker 2.0ch Compatible ¹²	•
Sound Modes	6 (Standard, Cinema, Clear Voice III, Cricket (Sports), Music, Game)
AI Sound	• (Pro)
Headphone Bluetooth Compatible	• (Bluetooth 4.2+)
Bluetooth Surround Compatible ¹³	•
Sound Sync Wireless (LG TV) ¹⁴	•
Audio Return Channel (ARC) ¹⁵	eARC / ARC

SMART TV FEATURES

AI ThinQ ¹⁶	•
Smart TV Operating System	webOS 5.0 Smart TV
Google Assistant ¹⁷	•
Amazon Alexa ¹⁷	•
Works with Apple HomeKit ¹⁷	•
Home Dashboard	•
Wi-Fi	• (802.11ac)
8K UHD Streaming	•
Web Browser ¹⁸	•
FreeviewPlus (HbbTV) ¹⁹	•
Netflix ²⁰	•
Disney ²⁰	•
AppleTV ²⁰	•
Google Home Compatible ²¹	•

SMART SHARE FEATURES

Network File Browser	•
Miracast ²²	•
Smartphone Remote App ²³	LG TV Plus
Works with Apple AirPlay ²⁴	•

CONNECTIONS

HDMI ²⁵	• (4)
USB 2.0	• (3)
RF Antenna Input	• (1)
Component/Composite Input	• (1)
Headphone (3.5mm) Output	• (1)
Digital (Optical) Audio Output	• (1)
LAN Port	• (1)

DIMENSIONS AND REGULATORY

TV with Stand (WxHxD)	77": 1723mm x 1023mm x 269mm 65": 1449mm x 862mm x 251mm 55": 1228mm x 730mm x 251mm
TV without Stand (WxHxD)	77": 1723mm x 993mm x 56mm 65": 1449mm x 830mm x 47mm 55": 1228mm x 706mm x 47mm
TV Stand (WxD)	77": 1199mm x 269mm 65": 998mm x 251mm 55": 998mm x 251mm
Net Weight with Stand (kg)	77": 35.9kg 65": 32.6kg 55": 23kg
Net Weight without Stand (kg)	77": 26.7kg 65": 24kg 55": 18.9kg
Carton (WxHxD)	77": 1895mm x 1130mm x 285mm 65": 1677mm x 950mm x 207mm 55": 1345mm x 810mm x 207mm
Gross Weight of Carton (kg)	77": 49.3kg 65": 41.2kg 55": 28.6kg
VESA size	77": 400 x 200 65", 55": 300 x 200 (LG OLV480B bracket recommended)
Energy Star Rating	77": 5 Stars 65": 4 ½ Stars 55": 4 Stars
EAN	77": 8806098663231 65": 8806098663248 55": 8806098663255

- *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.
- Internet connection required. Internet usage charges and conditions apply. WebOS internet browser supports HTML5, VP9 and HEVC.
- FreeviewPlus uses HbbTV technology which combines broadcast and internet streaming. Internet connection is required. Data usage charges and conditions apply.
- Subscription membership required. Content in SD, HD and 4K Ultra HD. 4K Ultra HD requires a steady internet connection speed of at least 25Mbps to stream, 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.
- Google Assistant enabled device required, sold separately.
- Miracast compatible Android device required for this feature.
- 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.
- 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.
- 25 GX, CX, BX: HDMI ports support HDCP 2.3, 120fps @ 2160p