

OLED B2AUA Series

LG OLED TV B2

77"

65"

55"

* Class size. See below for details.

- **OLED Picture Quality**
- **α7 Gen 5 AI Processor 4K**
- **Sports**
- **Gaming**
- **Ultimate Streaming**
- **Magic Remote w/ Magic Tap (NFC)**



DESCRIPTION

Be in the Action with OLED

Experience a lightning fast refresh rate, the gaming features you crave, and the 4K resolution you want—all wrapped up in a beautiful premium OLED package

KEY FEATURES

OLED Picture Quality

LOVE AT FIRST SIGHT

Our self-lit OLED pixels bring to life infinite contrast, perfect black, and over a billion colors add depth and bring out the bold, brazen and beautiful no matter what you're watching

α7 Gen 5 AI Processor 4K

SEEING IT IS BELIEVING IT

Experience a lifelike picture with more depth and rich color thanks to our advanced α7 Gen5 AI Processor 4K that adjusts picture quality and sound quality to give you a fabulous experience no matter what you're watching

Sports

REAL TIME & REALLY IMPRESSIVE

Get in the game with a 120Hz refresh rate that can keep up with the action on the court, field or ice for a sharp picture from start to finish

Gaming

MEET THE NEXT-LEVEL OF GAMING

Be at the top of your game with NVIDIA G-SYNC®, FreeSync™Premium, and VRR to experience real-time action, plus the LG Game Optimizer and 2 HDMI 2.1 ports to get you (and keep you) in the action

Ultimate Streaming

BINGE-WORTHY STREAMING STARTS HERE

Find your faves fast with built-in access to Netflix, Prime Video, Apple TV app, Disney+, HBO Max* and instant access to over 300+ free LG Channels** with everything from comedy to movies to sports

*Internet connection and subscription to streaming services are required. Amazon, Prime Video and all related logos are trademarks of Amazon.com, Inc. or its affiliates. Amazon Prime membership and/or Prime Video fees apply. See primevideo.com/terms for details. HBO Max™ ©2022 Warner Media, LLC. All Rights Reserved. HBO Max is used under license.

**Number of LG Channels subject to change.

SPECIFICATIONS

PICTURE (PANEL)	
Display Type	Self-Lighting OLED Display
Display Resolution	4K Ultra HD (3,840 x 2,160)
Brightness Booster	-
Wide Viewing Angle	Yes
Dimming Technology	Pixel Level Dimming
Perfect Black	Yes
Intense Color (Wide Color Gamut)	Yes
Billion Rich Colors	Yes
100% Color Fidelity	Yes
100% Color Volume	Yes
PICTURE (PROCESSING)	
Picture Processor	α7 Gen 5 AI Processor 4K
AI Picture	AI Picture Pro
Upscaling	AI 4K Upscaling
Refresh Rate	120Hz Native
SOUND (PROCESSING)	
AI Sound	AI Sound Pro
TV Sound Mode Share	Yes
Bluetooth Surround Ready	Yes
HOME CINEMA	
HDR	Cinema HDR (Dolby Vision, HDR10, HLG) Dynamic Tone Mapping
Dolby Vision IQ	Yes
Filmmaker Mode	Yes
Magic Explorer	Yes
Next Picks	Yes
GAMING	
Game Optimizer	Yes
G-SYNC Compatible	Yes
FreeSync Premium™	Yes
VRR (Variable Refresh Rate)	Yes
ALLM (Auto Low Latency Mode)	Yes
Response Time	<1 ms
HGiG	Yes
Cloud Gaming	Google STADIA / NVIDIA GEFORCE NOW
SMART TV	
Operating System	webOS 22
Content Partners	Netflix, HBO Max, Prime Video, Disney+, Apple TV, Hulu, Paramount+, Peacock, Youtube TV, Spotify, iHeartRadio and more
LG Content Store (App Store)	Yes
Full Web Browser	Yes
LG Channels	Yes
Sports Alert	Yes
Art Gallery	Yes
Who.Where.What?	Yes
Home Dashboard	Yes
Room to Room Share	Yes (Receiver only)
Always Ready	-
Ambient Mode	-
"Works With"	Google Assistant, Alexa, Apple Airplay2 and Homekit (Separate device purchase necessary)
AI TV (ARTIFICIAL INTELLIGENCE)	
LG ThinQ® AI	Yes
Hands-free Voice Control	-
Magic Remote Control	Yes (Point, Click, Scroll, Voice)
Universal Remote Control	Yes (Auto Device Detection)
Voice Assistants	Google and Alexa Built-in (No separate device purchase necessary)
Intelligent Voice Recognition	Yes
AUDIO	
Speaker System	2.0 Channel
Output Power	20W
Speaker Direction	Down Firing
Dolby Atmos	Yes
WiSA Ready	Yes (Separate Dongle Purchase Required) *Up to 2.1 Channel
Audio Codec	AC4, AC3(Dolby Digital), EAC3, HE-AAC, AAC, MP2, MP3, PCM, WMA, apt-X (Refer to manual)
LG Sound Sync	Yes

CONNECTIVITY	
NEXTGEN TV (ATSC 3.0)	-
Wi-Fi® Standard	Wi-Fi Certified 802.11ac
Bluetooth® Support	Version 5.0
IP Control	Yes
HDMI-CEC (Simplink)	Yes
TV Tuner	ATSC, Clear QAM
Smart Phone Connectivity	Yes
INPUTS & OUTPUTS	
HDMI Input (HDCP 2.2)	2 (Rear) / 2 (Side)
Latest HDMI (4K @ 120Hz)	HDMI ports 3,4
HDMI Audio Return Channel (ARC)	eARC (HDMI 3)
USB Ports (v 2.0)	2 (Side)
RF Connection Input (Antenna/Cable)	1 (Rear)
AV Input	-
Ethernet Input	1 (Rear)
RS-232C Input (Mini Jack)	1 (Rear)
Digital Audio Output (Optical)	1 (Rear)
Headphone Out	-
POWER	
Power Supply (Voltage, Hz)	AC 120V, 50/60Hz
Standby Power Consumption	Under 0.5W
Typical Power Consumption	77" : 160 W 65" : 120 W 55" : 100 W
Annual Power Consumption	77" : 295 kWh/y 65" : 222 kWh/y 55" : 185 kWh/y
OLED77B2AUA (76.7" DIAGONAL) DIMENSIONS/WEIGHTS/UPC	
TV Dimensions with Stand (WxHxD)	67.8" x 41.1" x 10.6"
TV Dimensions without Stand (WxHxD)	67.8" x 39.1" x 2.2"
Packaging Dimensions (WxHxD)	74" x 44.5" x 11.2"
Stand Width	29.5"
TV Weight with Stand	66.1 lbs
TV Weight without Stand	58.9 lbs
Packaging Weight	94.8 lbs
VESA Mounting (W x H)	400 x 200
UPC	195174039298
OLED65B2AUA (64.5" DIAGONAL) DIMENSIONS/WEIGHTS/UPC	
TV Dimensions with Stand (WxHxD)	57" x 34.2" x 9.7"
TV Dimensions without Stand (WxHxD)	57" x 32.8" x 1.8"
Packaging Dimensions (WxHxD)	68.4" x 37.4" x 8.1"
Stand Width	22"
TV Weight with Stand	55.1 lbs
TV Weight without Stand	52.9 lbs
Packaging Weight	73.9 lbs
VESA Mounting (W x H)	300 x 200
UPC	195174039311
OLED55B2AUA (54.6" DIAGONAL) DIMENSIONS/WEIGHTS/UPC	
TV Dimensions with Stand (WxHxD)	48.3" x 29.3" x 9.7"
TV Dimensions without Stand (WxHxD)	48.3" x 27.9" x 1.8"
Packaging Dimensions (WxHxD)	59.3" x 32.9" x 8.1"
Stand Width	22"
TV Weight with Stand	43.9 lbs
TV Weight without Stand	41.7 lbs
Packaging Weight	56.4 lbs
VESA Mounting (W x H)	300 x 200
UPC	195174039335
ACCESSORIES INCLUDED	
Wall Mount	-
Remote	Magic Remote w/ Magic Tap (NFC)
Remote Control Battery	Yes (AA)
Power Cable	Yes
Quick Start Guide	Yes
E-Manual	Yes
DESIGN	
TV Color	Black
Stand Color	Black
WARRANTY	
Limited Warranty	1 Year Parts & Labor