

DISPLAY

Display Type	4K OLED
Screen Size	65
Resolution	3840 x 2160
Wide Viewing Angle	Yes
Wide Color Gamut	Perfect Color
Billion Rich Colors	Yes
Perfect Black	Perfect Black
Dimming	Pixel Dimming
Ultra Luminance	Ultra Luminance Pro
TruMotion / Refresh Rate	Refresh Rate 100Hz

VIDEO(PICTURE QUALITY)

Processor	α9 Gen3 AI Processor 4K
AI Picture / Pro	AI Picture Pro
Face Enhancing	AI Picture Pro - Face Enhancing
AI Upscaling	AI Upscaling
Auto Genre Selection	Yes (SDR/HDR/Dolby HDR)
Image Enhancing	Image Enhancing on SQM
AI Brightness Control	Yes
HDR	Cinema HDR

Dolby Vision IQ	Yes/Yes/Yes (4K/2K)
HDR10 Pro	Yes/Yes/Yes/Yes (4K/2K)
HLG	Yes/Yes/Yes/Yes (4K/2K)
FILMMAKER MODE™	Yes
HDR Effect	Yes (4K/2K)
Dynamic Tone Mapping / Pro	HDR Dynamic Tone Mapping Pro
4K HFR	Yes/Yes/Yes
2K HFR	Yes/Yes/Yes
Motion Pro	OLED Motion Pro
Upscaler	4K Upscaler
HEVC (Video Decoder)	4K@120P, 10bit
VP9 (Video Decoder)	4K@60P, 10bit
AV1	4K@60p, 10bit
G-Sync Compatible	Yes
FreeSync™	Yes (TBD)
HGIG Mode	Yes
Instant Game Response (VRR/ALLM)	Yes/Yes
Picture Mode	Yes 10 modes (Vivid, Standard, Eco, Cinema, Sports, Game, HDR Effect, Filmmaker, (ISF)Expert(Bright Room), (ISF)Expert(Dark Room))

ADDITIONAL FEATURE

Auto Calibration	Yes
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Time Machine (DVR)	Yes
Digital Recording	Yes
Analog DVR	Yes
Time Shift	Yes
Watch & Record	Yes
VESA Wall Mount Model	300 x 200

AUDIO

Speaker (sound output)	40W (WF:20W, 10W per Channel)
Channel	2.2ch
Direction	Front Firing
Simultaneous Audio Output	Yes (Optical Output or HP Support Model)
DOLBY ATMOS	Yes
AI Sound / Pro	AI Sound Pro
AI Acoustic Tuning	Yes
Surround Mode	OLED Surround
Clear Voice	Clear Voice IV
Bluetooth Surround Ready	Yes
WiSA Speakers	Yes (2.0ch)
LG Sound Sync	Yes
Auto Notification (Bluetooth easy pairing)	Yes
Sound Share	Yes

Audio Codec	AC4, AC3(Dolby Digital), EAC3, HE-AAC, AAC, MP2, MP3, PCM, WMA, apt-X (Refer to manual)
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AI FUNCTION

ThinQ	Yes
Intelligent Voice Recognition	Yes
Speech to Text	Yes
LG Voice Search	Yes
AI UX	Yes
AI Home	Yes
AI Recommendation (AI)	Yes
Intelligent Edit	Yes
Home Dashboard	Yes
Auto Device Detection	Yes
Mobile Connectivity	Yes
LG TV Plus App	Yes
ThinQ App	Yes

CONNECTIVITY

Screen Share	Yes
HDMI → HDMI Input	1 (Rear) / 3 (Side)
Version → Features Specified in HDMI 2.1	'Supports 4K@100Hz, eARC(Improved audio return channel), VRR (Variable Refresh Rate), ALLM (automatic low latency mode) as specified in HDMI 2.1 (4port)

Simplink (HDMI CEC)	Yes
eARC / ARC (Audio Return Channel)	eARC (HDMI 2)
USB	2 (Rear)/1 (Side)
LAN	Yes (Rear)
Composite In (AV)	Yes (Rear, Gender Type)
RF In	2 (Rear, RF/Sat)
SPDIF (Optical Digital Audio Out)	Yes (Rear)
Headphone out	Yes (Rear)
Line out	Yes (Headphone out common)
Wifi	Yes (802.11ac)
Bluetooth	Yes (V5.0)

SMART FUNCTION

Operating System (OS)	webOS Smart TV
Number of CPUs	Quad
Magic Remote Control	Built-In
Quick Access	Yes
Universal Control	Yes
360° VR Play	Yes
Related Content Search	Yes
Art Gallery	Yes
LG Store	Yes

DIAL	Yes
Web Browser	Yes
Music Player	Yes
TV On With Mobile	Yes
Wi-Fi TV On	Yes
Bluetooth Low Energy On	Yes
Network File Browser	Yes
Block access to harmful site	Yes
Hotel Mode	Yes
Sports Alert	Yes
Music Discovery	Yes

BROADCASTING SYSTEM

Digital TV Reception(Terrestrial,Cable,Satellite)	Yes
Terrestrial	DVB-T2
Cable	DVB-C
Satellite	DVB-S2
Analog TV Reception	Yes
Teletext Page	Yes
Teletext (Top/Flof/List)	Yes
[DVB] Subtitle	Yes
AD (Audio Description)	Yes

EPG (8days)	Yes
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POWER & GREEN

Power Supply	AC 100~240V 50-60Hz
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Standby Power Consumption	Under 0.5W
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Energy saving Mode	Yes
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Illuminance Green sensor	Yes
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Energy Standard	Yes
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WEIGHT

Weight without Stand	31.8
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Weight with Stand	32.6
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Weight in Shipping	41.2
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DIMENSIONS

Size without Stand (WxHxD)	1449 x 830 x 46.9
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Size with Stand (WxHxD)	1449 x 862 x 251
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Size in Shipping (WxHxD)	1102 x 352 x 245
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ACCESSORY

Remote	MR20
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Batteries	Yes (AA x 2EA)
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Component / AV Gender	Yes
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Power Cable	Yes (TV Attached)
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