

DISPLAY

Type	4K OLED
Screen Size	48
Resolution	3840 x 2160
Wide Viewing Angle	Yes
Colour / Wide Colour Gamut	Perfect Colour
Colour display bits / Billion Rich Colours	Yes
Contrast / Perfect Black	Perfect Black
Contrast / Dimming	Pixel Dimming
Contrast / Ultra Luminance	Ultra Luminance Pro
Motion / Refresh Rate	Refresh Rate 120Hz

PLATFORM

Main Processor	α9 Gen4 AI Processor 4K
Operating System (OS)	webOS Smart TV
Number of CPUs	Quad

VIDEO

AI Picture / Pro	AI Picture Pro
Face Enhancing + Body/Object (8K Only)	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 (4K/2K)
HDR10 Pro	Yes (4K/2K)
HLG	Yes (4K/2K)
FILMMAKER MODE™	Yes
Dynamic Tone Mapping / Pro (+ AI HDR Tone Mapping)	HDR Dynamic Tone Mapping Pro (+ AI HDR Tone Mapping)
4K HFR	Yes (RF: EU only)
2K HFR	Yes (RF: EU only)
Motion Pro	OLED Motion Pro
Upscaler	4K Upscaler
HEVC	4K@120P, 10bit
VP9 (Video Decoder)	4K@60p, 10bit
AV1 (Video Decoder)	4K@60p, 10bit
G-Sync Compatible	Yes
FreeSync Compatible	Yes
HGIG Mode	Yes
Instant Game Response (VRR/ALLM)	Yes/Yes
Picture Mode	9 modes (Vivid, Standard, Eco, Cinema, Football, Game, Filmmaker, (ISF)Expert(Bright Room), (ISF)Expert(Dark

Room))

AUDIO

Speaker (Sound Output)	40W (WF: 20W, 10W per Channel)
Channel	2.2 ch
Direction	Front Firing
Simultaneous Audio Output	Yes
DOLBY ATMOS	Yes
AI Sound / Pro	AI Sound Pro
AI Acoustic Tuning	Yes (Differ by region)
Surround mode => 21Y Spec Out	OLED Surround
Clear Voice	Clear Voice Pro
Bluetooth Surround Ready	Yes (Required Bluetooth)
WiSA Speakers	Yes: WiSA 5.1ch
LG Sound Sync	Yes (Required Bluetooth)
Sound Share	Yes
Audio Codec	AC4, AC3(Dolby Digital), EAC3, HE-AAC, AAC, MP2, MP3, PCM, WMA, apt-X (Refer to manual)
Sound Mode Sync	Yes
Sound Alive	Yes

AI SMART FUNCTION

ThinQ	Yes
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Intelligent Voice Recognition	Yes
Speech to Text	Yes
LG Voice Search	Yes
Google Assistant	Yes
Amazon Alexa	Yes
AI UX	Yes
AI Home	Yes
AI Recommendation	Yes
Intelligent Edit	Yes
Home Dashboard	Yes
Apple Homekit	Yes
Google Home Connection	Yes
Amazon Echo Connection	Yes
Mobile Connectivity	Yes
Screen Share	Yes
ThinQ App	Yes
Airplay2	Yes
Next Picks	Yes
Magic Explorer	Yes
Magic Remote Control	Built-In
Quick Access	Yes
Universal Control	Yes

360° VR Play	Yes
Related Content Search	Yes
Audio Guidance (Text To Speech)	Yes
Art Gallery	Yes
Apps	Yes
DIAL	Yes
Web Browser	Yes
Music Player -> Media Player	Yes
LG Channels	Yes
TV On With Mobile	Yes
Wi-Fi TV On	Yes
Bluetooth Low Energy On	Yes (Required Bluetooth)
Network File Browser	Yes
Block access to harmful site	Yes
Live Plus (ACR-based Bilateral Service)	Yes
Hotel Mode	Yes
Sports Alert	Yes
Music Discovery	Yes

BROADCASTING SYSTEM

Digital TV Reception (Terrestrial,Cable,Satellite)	Yes
Terrestrial	DVB-T2/T

Cable	DVB-C
Satellite	DVB-S2
Analog TV Reception	Yes
Data Broadcasting (Country Spec)	Yes
CI + (Common Interface)	CI+1.4
Teletext Page	Yes (2000 page)
Teletext (Top/Flof/List)	Yes (Flof)
[DVB] Subtitle	Yes
AD (Audio Description)	Yes
EPG (8days)	Yes

CONNECTIVITY

HDMI	1 (Rear) / 3 (Side)
Version	HDMI 2.1
eARC / ARC (Audio Return Channel)	eARC (HDMI 2)
USB	2 (Rear) / 1 (Side)
LAN	Yes (Rear)
CI Slot	Yes (Side)
RF In	2 (Rear, RF/Sat)
SPDIF (Optical Digital Audio Out)	Yes (Rear)
Headphone out	Yes (Rear)
Line out	Yes (Rear, headphone out common)

Wifi	Yes (802.11ac)
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Bluetooth	Yes (V5.0)
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POWER

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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DIMENSIONS - WXHXD(MM)

Size W/O Carton, W/O Stand	1071 x 618 x 47
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Size W/O Carton, With Stand	1071 x 650 x 251
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Size W/ Carton, With Stand	1220 x 745 x 203
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Stand (W x D)	838 x 251
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VESA	300 x 200
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EAN Code	8806091154705
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WEIGHT(KG)

Weight (TV)	14.9
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Weight (TV + Stand)	18.9
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Weight (W/Carton)	22.4
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ACCESSORY

Remote	MR21N
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Batteries

Yes (AA x 2EA)

ADDITIONAL FEATURE

Auto Calibration

Yes

OSD Language

37 Languages

Time Machine (DVR)

Yes

Digital Recording

Yes

Time Shift

Yes

COMPLIANCE INFORMATION

[Dismantling information\(OLED48C16LA\)](#)

[EU Energy label 2019\(OLED48C16LA\)](#)

[UK Energy label 2019\(OLED48C16LA\)](#)

[Product information sheet \(OLED48C16LA\)](#)

[**MORE COMPLIANCE INFORMATION**](#)
