

Key Spec

Display Type 4K OLED	Refresh Rate 120Hz Native (VRR 144Hz)
Wide Color Gamut OLED Color	Picture Processor a9 AI Processor 4K Gen8
HDR (High Dynamic Range) Dolby Vision / HDR10 / HLG	G-Sync Compatible (Nvidia) Yes
FreeSync Compatible (AMD) Yes	Audio Output 40W
Speaker System 2.2 channel	Dolby Atmos Yes

All Spec

ACCESSIBILITY

Gray Scale Yes	High Contrast Yes
Invert Colors Yes	

ACCESSORIES INCLUDED

Power Cable Yes (Attached)	Remote Magic Remote MR25
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AUDIO

AI Sound a9 AI Sound Pro (Virtual 11.1.2 Up-mix)	AI Acoustic Tuning Yes
Audio Codec	Audio Output

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

40W

Bluetooth Surround Ready
Yes (2 Way Playback)

Clear Voice Pro
Yes (AI Voice Remastering)

Dolby Atmos
Yes

LG Sound Sync
Yes

Simultaneous Audio Output
Yes

Sound Mode Share
Yes

Speaker Direction
Down Firing (Front Firing when standing)

Speaker System
2.2 channel

WiSA Ready
Yes (Up to 2.1 Channel)

WOW Orchestra
Yes

BROADCASTING

Analog TV Reception
Yes

Digital TV Reception
ATSC1.0 (Terrestrial), QAM (Cable)

CONNECTIVITY

Bluetooth Support
Yes (v 5.3)

Ethernet Input
1ea

HDMI Audio Return Channel
eARC (HDMI 2)

HDMI Input
4ea (supports 4K 120Hz, eARC, VRR, ALLM, QMS (4 port))

RF Input (Antenna/Cable)
1ea

Simplink (HDMI CEC)
Yes

SPDIF (Optical Digital Audio Out)
1ea

USB Input
3ea (v 2.0)

Wi-Fi
Yes (Wi-Fi 6E)

GAMING

Game Optimizer
Yes (Game Dashboard)

ALLM (Auto Low Latency Mode)
Yes

Dolby Vision for Gaming (4K 120Hz)

FreeSync Compatible (AMD)

Yes

Yes

G-Sync Compatible (Nvidia)

HGIG Mode

Yes

Yes

Response Time

VRR (Variable Refresh Rate)

Less than 0.1ms

Yes (Up to 144Hz)

PICTURE (DISPLAY)

Display Resolution

4K Ultra HD (3,840 x 2,160)

Display Type

4K OLED

Refresh Rate

120Hz Native (VRR 144Hz)

Wide Color Gamut

OLED Color

PICTURE (PROCESSING)

AI Upscaling

α9 AI Super Upscaling 4K

AI Brightness Control

Yes

AI Genre Selection

Yes (SDR/HDR)

AI Picture Pro

Yes

Auto Calibration

Yes

Dimming Technology

Pixel Dimming

Dynamic Tone Mapping

Yes (OLED Dynamic Tone Mapping Pro)

FILMMAKER MODE™

Yes

HDR (High Dynamic Range)

Dolby Vision / HDR10 / HLG

HFR (High Frame Rate)

4K 120 fps (HDMI, USB)

Motion

OLED Motion

Picture Mode

10 modes

Picture Processor

α9 AI Processor 4K Gen8

QMS (Quick Media Switching)

Yes

POWER

Power Supply (Voltage, Hz)

AC 120V, 50/60Hz

Standby Power Consumption

Under 0.5W

SMART TV

AI Chatbot
Yes

Full Web Browser
Yes

Google Home / Hub
Yes

Home Hub
Yes

Magic Remote Control
Built-In

Operating System (OS)
webOS 25

USB Camera Compatible
Yes

Works with Apple Airplay
Yes

Always Ready
Yes

Google Cast
Yes

Hands-free Voice Control
Yes

Intelligent Voice Recognition
Yes

Multi View
Yes

Smartphone Remote App
Yes (LG ThinQ)

Voice ID
Yes

Works with Apple Home
Yes

Close ^