

<b>CATEGORY</b>	<b>SPEC ITEMS</b>	<b>77C46LA</b>
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<b>PICTURE (DISPLAY)</b>	<b>Display</b>	<b>Display</b>
	Display Type	4K OLED
	Display Resolution	4K Ultra HD (3,840 x 2,160)
	Backlight Type	-
	Display Size	77
	Refresh Rate	120Hz Native
	Perfect Black	Yes
	Wide Color Gamut	OLED Color

<b>PICTURE (PROCESSING)</b>	<b>Picture &amp; Processing</b>	<b>Picture &amp; Processing</b>
	Picture Processor	α9 AI Processor 4K Gen7
	Number of CPUs	Quad
	AI Picture Pro	Yes
	AI Upscaling	α9 AI Super Upscaling 4K
	Dynamic Tone Mapping	Yes (OLED Dynamic Tone Mapping Pro)
	HDR Expression Enhancer	Yes
	AI Genre Selection	Yes (SDR/HDR)
	AI Brightness Control	Yes
	HDR (High Dynamic Range)	Dolby Vision / HDR10 / HLG
	FILMMAKER MODE™	Yes
	HFR (High Frame Rate)	4K 120 fps (HDMI, RF, USB)
	Dimming Technology	Pixel Dimming
	QMS (Quick Media Switching)	Yes
Auto Calibration	Yes	

<b>GAMING</b>	<b>Gaming</b>	<b>Gaming</b>
	G-Sync Compatible (Nvidia)	Yes
	FreeSync Compatible (AMD)	Yes
	HGIG Mode	Yes
	Game Optimizer	Yes (Game Dashboard)
	ALLM (Auto Low Latency Mode)	Yes
	VRR (Variable Refresh Rate)	Yes (Up to 144Hz)
	Response Time	Less than 0.1ms
Dolby Vision for Gaming (4K 120Hz)	Yes	

<b>SMART TV</b>	<b>Smart TV</b>	<b>Smart TV</b>
	Operating System (OS)	webOS 24
	ThinQ	Yes
	Intelligent Voice Recognition	Yes
	Magic Remote Control	Built-In
	Amazon Alexa	Yes (Built-in)

	Works with Hey Google	Yes
	AI Recommendation	Yes
	LG Hub	Yes
	Works with Apple Home	Yes
	Works with Apple Airplay2	Yes
	Smartphone Remote App	Yes (LG ThinQ)
	Hands-free Voice Control	Yes
	Full Web Browser	Yes
	Live Plus	Yes
	Sports	Yes
	Multi View	Yes
	USB Camera Compatible	Yes
	Home Office	Yes
	Game Service	Yes
	Music Service	Yes
	Matter	Yes
	AI Concierge	Yes

	Audio	Audio
<b>AUDIO</b>	Audio Output	40W
	Woofer / per Channel Output	WF : 20W, 10W per Channel
	Speaker System	2.2 channel
	Speaker Direction	[83"] Down Firing (Front Firing when standing) [77"] [65"] [55"] Down Firing
	Dolby Atmos	Yes
	DTS:X (by-pass only)	Yes
	AI Sound	α9 AI Sound Pro (Virtual 9.1.2 Up-mix)
	Clear Voice Pro	Yes (Auto Volume Leveling)
	AI Acoustic Tuning	Yes
	WiSA Ready	Yes (Up to 2.1 Channel)
	LG Sound Sync	Yes
	Sound Mode Share	Yes
	Simultaneous Audio Output	Yes
	Bluetooth Surround Ready	Yes (2 Way Playback)
	WOW Orchestra	Yes

	Broadcasting	Broadcasting
<b>BROADCASTING</b>	Digital TV Reception	DVB-T2/T (Terrestrial), DVB-C (Cable), DVB-S2/S (Satellite)
	Analog TV Reception	Yes
	Multi Tuner	-
	DVB CI + (Common Interface)	Yes (CI+ 2.0) / Yes (CI+ 1.4) / Yes (CI+ 1.3)

	[DVB] Subtitle	Yes
	EPG (8days)	Yes

CONNECTIVITY	Connectivity	Connectivity
	HDMI Input	4ea (4 HDMI 2.1)
	Simplink (HDMI CEC)	Yes
	HDMI Audio Return Channel	eARC (HDMI 2)
	USB Input	3ea (v 2.0)
	Wi-Fi	Yes (Wi-Fi 5)
	Bluetooth Support	Yes (v 5.1)
	Ethernet Input	1ea
	CI Slot	1ea
	RF Input (Antenna/Cable)	2ea
	SPDIF (Optical Digital Audio Out)	1ea
	IR Blaster	Yes

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

ACCESSORIES INCLUDED	Accessories Included	Accessories Included
	Remote	Magic Remote MR24
	Remote Control Batteries	Yes (AA x 2EA)
	Component / AV Gender	-
	IR Blaster Cable	Yes
	Power Cable	Yes (Attached)

ADDITIONAL FEATURE	Additional Features	Additional Features
	Time Machine (DVR)	Yes
	Digital Recording	Yes
	Time Shift	Yes
	Watch & Record	-

DIMENSIONS	Dimensions	Dimensions
	With stand	1711 x 1035 x 267
	Without stand	1711 x 982 x 47,1
	VESA	300 x 200
	Weight with stand	27,1 kg
	Weight Without Stand	23,5 kg