

DISPLAY

Display Type	4K NanoCell
Screen Size (in.)	49
Resolution	3840 x 2160
Nano Cell Display	Yes
IPS Panel	Yes
Viewing Angle	Wide Viewing Angle
Wide Colour Gamut	Nano Colour
Billion Rich Colour	Yes
Dimming	Local Dimming
Ultra Luminance	Ultra Luminance
BLU Type	Edge
TruMotion / Refresh Rate	TM100 (Refresh Rate 50Hz)

VIDEO

Picture Master Processor	Quad Core Processor
Image Enhancing	Image Enhancing
HDR	4K Active HDR
HDR10 Pro	Yes (4K/2K)
HLG	Yes (4K/2K)
HDR Effect	Yes (4K/2K)

Dynamic Tone Mapping	HDR Dynamic Tone Mapping
Dimming Algorithm	LG Local Contrast
Upscaler	4K Upscaler
HEVC	4K@60P, 10bit
VP9	4K@60p, 10bit
Instant Game Response	Yes (ALLM)
Picture Mode	Yes, 10 modes (Vivid, Standard, Eco, Cinema, Football, Game, HDR Effect, Technicolour Expert, (ISF)Expert(Bright Room), (ISF)Expert(Dark Room))

AUDIO

Output	20W (10W per channel)
Channel	2.0ch
Direction	Down Firing
Simultaneous Audio Output	Yes
AI Acoustic Tuning	Yes
Surround Mode	Ultra Surround
Clear Voice	Clear Voice III
LG Sound Sync	Yes
Auto Notification	Yes (Bluetooth easy paring)
Sound Share	Yes (Bluetooth Audio Playback)
Audio Codec	AC4, AC3(Dolby Digital), EAC3, HE-AAC, AAC, MP2, MP3, PCM, DTS, DTS-HD, DTS Express, WMA, apt-X (Refer to manual)

AI TV(ARTIFICIAL INTELLIGENCE)

LG ThinQ AI	Yes
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Intelligent Voice Recognition	Yes
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Speech to Text	Yes
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LG Voice Search	Yes
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AI UX	Yes
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AI Home	Yes
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Google Assistant	Yes
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Amazon Alexa Compatible	Yes
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AI Recommendation	Yes
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Intelligent Edit	Yes
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Home Dashboard	Yes
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Auto Device Detection	Yes
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Smart Speaker Compatible	Yes
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Google Home Compatible	Yes
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Amazon Echo Compatible	Yes
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LG Smart Speaker	Yes
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Apple HomePod	Yes
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Mobile Connectivity	Yes
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LG TV Plus App	Yes
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ThinQ App	Yes
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SMART TV

Operating System (OS)	webOS Smart TV 4.5
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Number of CPUs	Quad
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Magic Remote Control	Built-In
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Quick Access	Yes
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Universal Control	Yes
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360 VR	Yes
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Related Content Search	Yes (Magic Link)
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Audio Guidance(Text To Speech)	Yes
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LG Content Store	Yes
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DIAL	Yes
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Web Browser	Yes
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Music Player	Yes
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Mobile TV On	Yes
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Wi-Fi TV On	Yes
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Bluetooth Low Energy On	Yes
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Network File Browser	Yes
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Block access to harmful site	Yes
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Live Plus (ACR-based Bilateral Service)	Yes, webOS4.5
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Hotel Mode	Yes
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ADDITIONAL FEATURE

OSD Language	36 Languages
Time Machine (DVR)	Yes
Digital Recording	Yes
Time Shift	Yes

BROADCASTING SYSTEM

Digital TV Reception(Terrestrial,Cable,Satellite)	Yes
Terrestrial	DVB-T2/T
Cable	DVB-C
Satellite	DVB-S2/S
Analog TV Reception	Yes
Data Broadcasting (Country Spec)	HbbTV
CI + (Common Interface)	CI+1.4
Teletext Page	2,000 page
Teletext (Top/Flof/List)	Yes (Flof)
Subtitle	Yes
Audio Description	Yes
EPG (8days)	Yes (Freeview Play EPG)

CONNECTIVITY

Screen Share	Yes
HDMI	2 (Rear)/2 (Side) (HDMI 2.0)

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

POWER

Power Supply	AC 100~240V 50-60Hz
Energy Efficiency Class (A++ to E scale)	A
Standby Power Consumption	Under 0.5W
Energy Saving Mode	Yes
Illuminance Green sensor	Yes

WEIGHT(KG)

Weight (TV)	14.2
Weight (TV + Stand)	14.4
Weight (W/Carton)	17.1

DIMENSIONS - WXHxD(MM)

Size W/O Carton, W/O Stand	1096 x 700 x 63.6
Size W/O Carton, With Stand	1096 x 700 x 231
Size W/ Carton, With Stand	1192 x 740 x 152
Stand (W x D)	942 x 231
VESA	200 x 200
EAN Code	8806098699421

ACCESSORY

Remote	MR19
Batteries	Yes (AA x 2EA)
Power Cable	Yes (TV Detached)

COMPLIANCE INFORMATION

ENERGY LABEL(49SM8050PLC)
PRODUCT FICHE(49SM8050PLC)
WEB INFO(49SM8050PLC)

MORE COMPLIANCE INFORMATION