

DISPLAY

Type	4K UHD
Screen Size	55
Resolution	3840 x 2160
Motion / Refresh Rate	Refresh Rate 50Hz

PLATFORM

BLU Type	Direct
Main Processor (SoC)	Quad Core Processor 4K (K7Lp)
Operating System (OS)	webOS Smart TV
Number of CPUs	Quad

VIDEO AND PICTURE QUALITY

AI Upscaling	4K Upscaling
Image Enhancing	Image Enhancing
AI Brightness Control	Yes
HDR	Active HDR
HDR10 Pro	Yes (4K/2K)
HLG	Yes (4K/2K)
FILMMAKER MODE™	Yes

Dynamic Tone Mapping / Pro (+ AI HDR Tone Mapping)

HDR Dynamic Tone Mapping

Dimming Algorithm

LG Local Contrast

Upscaler

4K Upscaler

HEVC

4K@60p, 10bit

VP9 (Video Decoder)

4K@60p, 10bit

AV1 (Video Decoder)

4K@60p, 10bit

HGIG Mode

Yes

Instant Game Response (ALLM)

Yes

Picture Mode

Yes 9 modes
(Vivid, Standard, Eco, Cinema, Sports, Game, Filmmaker,
(ISF)Expert(Bright Room), (ISF)Expert(Dark Room))

AUDIO AND SOUND QUALITY

Speaker (Sound Output)

20W
(10W per Channel)

Channel

2.0ch

Direction

Down Firing

Simultaneous Audio Output

Yes (Optical Output or HP Support Model)

AI Sound / Pro

AI Sound

AI Acoustic Tuning

Yes

Surround mode => 21Y Spec Out

Ultra Surround

Clear Voice

Clear Voice III

Bluetooth Surround Ready	Yes
LG Sound Sync	Yes
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
Intelligent Voice Recognition	Yes
Speech to Text	Yes
LG Voice Search	Yes
AI UX	Yes
AI Home	Yes
AI Recommendation	Yes
Intelligent Edit	Yes
Home Dashboard	Yes
Apple Homekit	Yes
Mobile Connectivity	Yes
Screen Share	Yes
ThinQ App	Yes

Airplay2	Yes
Next Picks (AI Channel)	Yes
Magic Explorer(AI Link)	Yes
Magic Remote Control	Built-In
Quick Access	Yes
Universal Control	Yes
360° VR Play	Yes
Related Content Search	Yes
LG Store	Yes
DIAL	Yes
Web Browser	Yes
Music Player -> Media 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

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

CONNECTIVITY

HDMI	2 (Side)
Simplink (HDMI CEC)	Yes
eARC / ARC (Audio Return Channel)	eARC (HDMI 2)
USB	1 (Side)
LAN	Yes (Rear)
RF In	2 (Rear, RF/Sat)
SPDIF (Optical Digital Audio Out)	Yes (Rear)

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

Remote	MR21
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Power Cable	Yes (Detached)
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ADDITIONAL FEATURE

Time Machine (DVR)	Yes
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Digital Recording	Yes
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Analog DVR	Yes
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Time Shift	Yes
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