

DISPLAY

Type	8K NanoCell
Screen Size	55
Resolution	7680 x 4320
Color / NanoCell	Yes
Color / Wide Color Gamut	Nano Color
Color display bits / Billion Rich Colors	Yes
Contrast / Dimming	Full Array Dimming
Contrast / Ultra Luminance	Ultra Luminance Pro
Motion / Refresh Rate	Refresh Rate 60Hz

PLATFORM

BLU Type	Slim Direct
Main Processor	α9 Gen4 AI Processor 8K
Operating System (OS)	webOS Smart TV
Number of CPUs	Quad

VIDEO

AI Picture / Pro	AI Picture Pro 8K
Face Enhancing + Body/Object (8K Only)	AI Picture Pro - Face + Body+ object Enhancing

AI Upscaling	AI 8K 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)
Dimming Algorithm	Luminance Optimizer for Local Dimming
Upscaler	8K Upscaler
HEVC	8K@60p, 10bit 4K@60p, 10bit
VP9 (Video Decoder)	4K@60p, 10bit
AV1 (Video Decoder)	8K@60p, 10bit 4K@60p, 10bit
HGIG Mode	Yes
Instant Game Response (VRR/ALLM)	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	2.2ch
Direction	Down Firing
Simultaneous Audio Output	Yes
DOLBY ATMOS	Yes
AI Sound / Pro	AI Sound Pro
AI Acoustic Tuning	Yes
Surround mode => 21Y Spec Out	Ultra Surround
Clear Voice	Clear Voice Pro
Bluetooth Surround Ready	Yes (Required Bluetooth)
WiSA Speakers	Yes: WiSA 5.1 ch
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
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Terrestrial	DVB-T2/T
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Cable	DVB-C
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Satellite	DVB-S2
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Analog TV Reception	Yes
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Data Broadcasting (Country Spec)	Yes
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CI + (Common Interface)	CI+1.4
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Teletext Page	Yes (2000 page)
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Teletext (Top/Flof/List)	Yes (Flof)
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[DVB] Subtitle	Yes
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AD (Audio Description)	Yes
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EPG (8days)	Yes
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CONNECTIVITY

HDMI	2 (Rear)/2 (Side)
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Version	HDMI 2.1 (2/HDMI 2.0)
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Simplink (HDMI CEC)	Yes
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eARC / ARC (Audio Return Channel)	eARC (HDMI 2)
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USB	2 (Rear)/1 (Side)
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LAN	Yes (Rear)
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CI Slot	Yes (Side)
RF In	2 (Rear; RF/Sat)
SPDIF (Optical Digital Audio Out)	Yes (Rear)
Headphone out	Yes (Rear)
Line out	Yes (Headphone out common)
Wifi	Yes (802.11ac)
Bluetooth	Yes (V5.0)

POWER

Power Supply	AC 100~240V 50-60Hz
Standby Power Consumption	Under 0.5W
Energy Saving Mode	Yes
Illuminance Green sensor	Yes

DIMENSIONS - WXHxD(MM)

Size W/O Carton, W/O Stand	1233 x 716 x 45.5
Size W/O Carton, With Stand	1233 x 781 x 271
Size W/ Carton, With Stand	1360 x 810 x 187
Stand (W x D)	841 x 271
VESA	300 x 300
EAN Code	8806091153234

WEIGHT(KG)

Weight (TV)	19.4
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Weight (TV + Stand)	21
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Weight (W/Carton)	25.8
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ACCESSORY

Remote	MR21
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Batteries	Yes (AA x 2EA)
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IR Blaster Cable	Yes
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Power Cable	Yes (TV Attached)
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ADDITIONAL FEATURE

Auto Calibration	Yes
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OSD Language	37 Languages
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Time Machine (DVR)	Yes
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Digital Recording	Yes
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Time Shift	Yes
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COMPLIANCE INFORMATION

[Dismantling information\(55NANO966PA\)_](#)

[EU Energy label 2019\(55NANO966PA\)_](#)

[Product information sheet \(55NANO966PA\)_](#)

MORE COMPLIANCE INFORMATION
