

Display	Screen Size	Resolution
	50"	3,840 x 2,160
	Screen Curvature	
	N/A	

Video	Picture Engine	Adaptive Picture
	Neo Quantum Processor 4K	Yes
	HDR (High Dynamic Range)	AI Streaming
	Quantum HDR 1500	N/A
	HDR 10+	AI Upscale
	Certified(HDR10+)	Yes
	HLG (Hybrid Log Gamma)	Contrast
	Yes	Quantum Matrix Technology
	Color	Viewing Angle
	100% Color Volume	Wide Viewing Angle
	Filmmaker Mode (FMM)	
	Yes	

Audio	Dolby 5.1 Decoder	Active Voice Amplifier
	N/A	Yes
	Adaptive Sound	Object Tracking Sound
	Adaptive Sound+	OTS Lite
	Q-Symphony	Dialog Enhancement
	Q-Symphony Lite	Yes
	Audio Pre-selection Descriptor	
	Yes	

Smart Service	Operating System	Bixby
	Tizen™	US English, UK English, India English, Korean, French, German, Italian, Spanish, BR Portuguese (features vary by language)

	Far-Field Voice Interaction Yes	Multi Voice Assistant Yes (GB, GG, IM, JE, IE, FR, DE, IT, ES, AT)
	Google Assistant Built-in N/A	Works with Google Assistant Yes (GB, FR, DE, IT, ES, AT, DK, IE, NL, NO, SE only)
	Works With Alexa Yes (GB, FR, DE, IT, ES, AT, IE only)	SmartThings App Support Yes
	SmartThings Yes	Universal Browse & Play Yes (GB, FR, DE, IT, ES)
	Gallery Yes	
Smart Feature	NFC on TV N/A	Mobile Tap Mirroring Yes
	Digital Butler N/A	Multi-View upto 2 videos
	Sound Wall Yes	Remote Access Basic
	TV Sound to Mobile Yes	Sound Mirroring Yes
	Ambient Mode Ambient Mode+	
Connectivity	eARC Yes	Bluetooth Yes (BT5.2)
Design	Stand Color SAND BLACK	
Additional Feature	Motion Detection (Frame) N/A	Ambient Mode Brightness/Color Sensor Brightness/Color Detection

	Portrait Mode N/A	Freesync FreeSync Premium Pro
	G-SYNC N/A	
Accessibility	Accessibility - Learn TV Remote / Learn Menu Screen UK English, German, French, Spanish, Italian, Dutch, Polish, Danish, Swedish, Finnish, Norwegian, Portuguese, Russian(only when connecting to Network in EE,LV,LT)	Accessibility - Others Enlgarge / High Contrast / Multi-output Audio / SeeColors / Color Inversion / Grayscale / Sign Language Zoom / Slow Button Repeat
Power & Eco Solution	Power Supply AC220-240V 50/60Hz	Power Consumption (Max) 175 W
	Energy Efficiency Class F	Power Consumption (Stand-by) 0.50 W
	Power Consumption (Energy Saving Mode) N/A	Power Consumption (Typical) 65.0 W
Dimension	Package Size (WxHxD) 1261 x 771 x 144 mm	Set Size with Stand (WxHxD) 1114.0 x 708.9 x 222.6 mm
	Set Size without Stand (WxHxD) 1114.0 x 644.9 x 26.9 mm	Stand (Basic) (WxD) 465.0 x 222.6 mm
	Stand (Minimum) (WxD) N/A	
Weight	Package Weight 22.0 kg	Set Weight with Stand 18.6 kg
	Set Weight without Stand 14.0 kg	

Accessory

Optional Stand Support (Y20 Studio)
N/A

Optional One Connect Cable Support
N/A

Customizable Bezel Support
N/A

HDMI Cable
N/A