

2021 Spec sheet		Q50
Category		32
General Information		
	Product	QLED
	Series	5
	Platform(TV)	Novatek Kant-SU2e
Display		
	Inch	32
	Centimeters	80
	Resolution	1,920 x 1,080
	Screen Curvature	N/A
	Anti Reflective Screen (Ultra Black)	N/A
Video		
	Picture Engine	Quantum Processor Lite
	Refresh Rate	60Hz
	PQI (Picture Quality Index)	2100
	HDR (High Dynamic Range)	HDR
	HDR10+	Support
	HLG (Hybrid Log Gamma)	Yes
	Contrast	Mega Contrast
	Color	100% Colour Volume with Quantum Dot
	Display Type	N/A
	Viewing Angle	N/A
	Micro Dimming	Micro Dimming Pro
	Auto Depth Enhancer	N/A
	Contrast Enhancer	Yes
	Film Mode	Yes
	Natural Mode Support	Yes
Audio		
	Dolby Digital Plus	Yes
	Dolby 5.1 Decoder	N/A
	Object Tracking Sound	OTS Lite
	Q-Symphony	Yes
	Audio Pre-selection Descriptor	Yes
	Sound Output (RMS)	20W
	Speaker Type	2CH
	Woofer	N/A
	Main Speaker Output (W)	10W+10W
	Woofer Speaker Output (W)	N/A
	Twitter Speaker Output (W)	N/A
	Multiroom Link	Yes
	Bluetooth Audio	Yes
Smart Service		
	Smart TV Type	Smart

	Bixby	US English, UK English, India English, Korean, French, German, Italian, Spanish, Portuguese (features vary by language)
	Alexa built-in	Yes (GB, GG, IM, JE, IE, FR, DE, IT, ES, AT)
	Google Assistant built-in	Yes (GB, FR, DE, IT, ES, AT)
	Far-Field Voice Interaction	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)
	TV Plus	Yes (GB, FR, DE, IT, ES, CH, AT)
	Web Browser	Yes
	SmartThings App Support	Yes
	SmartThings	Yes
	Samsung Health	Yes (GB only)
	Universal Guide	Yes (GB, FR, DE, IT, ES)
	Gallery	Yes
VESA Standard		
	Screw Size	M4
	Screw depth	19-22
	VESA Spec	100 x 100
Smart Feature		
	TV to Mobile - Mirroring	N/A
	Mobile to TV - Mirroring, DLNA	Yes
	NFC on TV	N/A
	Tap View	N/A
	Multi View	upto 2 videos
	Music Wall	N/A
	PC on TV	Basic
	360 Video Player	N/A
	360 Camera Support	N/A
	App Casting	Yes
	WiFi Direct	Yes
	TV Sound to Mobile	Yes
	Sound Mirroring	Yes
Game Feature		
	Auto Game Mode (ALLM)	N/A
	Game Motion Plus	N/A
	Dynamic Black EQ	N/A
	Surround Sound	N/A
	Super Ultra Wide Game View	N/A
	Game bar	N/A
	FreeSync	N/A
	G-SYNC	N/A
	HGiG	N/A
Feature		
	Expert Calibration	N/A
	Adaptive Picture	N/A

	Active Voice Amplifier	N/A
	Adaptive Sound	Adaptive Sound
	AI ScalNet	N/A
	AI Upscale	N/A
	Art Mode	N/A
	Motion Detection	N/A
	Ambient Mode	N/A
	Brightness/Color Detection	Brightness Detection
	Instant On	Yes
	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)
	/ Voice Guide	
	Accessibility - Others	Enlarge / High Contrast / Multi-output Audio / Color Inversion / Grayscale / Sign Language Zoom / Slow Button Repeat
	Digital Clean View	Yes
	Auto Channel Search	Yes
	Auto Power Off	Yes
	Caption (Subtitle)	Yes
	ConnectShare™ (HDD)	Yes
	ConnectShare™ (USB 2.0)	Yes
	Embedded POP	Yes
	EPG	Yes
	Extended PVR	N/A
	Filmmaker Mode	N/A
	OSD Language	27 European Languages + Russian(only when connecting to Network in EE, LV, LT)
	Picture-In-Picture	N/A
	BT HID Support	Yes
	USB HID Support	Yes
	Teletext (TTX)	Yes
	Time Shift	N/A
	Invisible Connection	N/A
	MBR Support	Yes
	IPv6 Support	Yes
Additional Feature		
System		
	Digital Broadcasting	DVB-T2CS2
	DTV Sound System	Dolby
	Analog Tuner	Yes
	2 Tuner	N/A
	CI (Common Interface)	CI+(1.4) / CI+(1.4 ECP)_IT only

	Data Broadcasting	HbbTV 2.0.2 (IT,GB,DE,CZ,SK,ES,PL,AT,FR,FI,EE,GR,SI,HR,BE, NL,LU,LT,HU,CH,PT,DK)/MHEG 5(IE)
	TV Key	Yes
	Connectivity	
	HDMI Port Qty	3
	USB Port Qty	2
	Component In (Y/Pb/Pr)	N/A
	Composite In (AV)	N/A
	Ethernet (LAN)	Yes
	Audio Out (Mini Jack / LR)	N/A
	Digital Audio Out (Optical)	1
	RF In (Terrestrial / Cable input / Satellite Input)	1/1(Common Use for Terrestrial)/1
	Ex-Link (RS-232C)	N/A
	CI Slot	1
	Resolution	1920 x 1080i 60
	HDMI A / Return Ch. Support	Yes
	eARC	Yes
	HDMI Quick Switch	Yes
	WiFi	Yes (WiFi5)
	Bluetooth	Yes (BT4.2)
	Anynet+ (HDMI-CEC)	Yes
	Design	
	Design	Slim
	Bezel Type	VNB
	Slim Type	Slim look
	Front Color	BLACK
	Stand Type	SLIM FEET
	Stand Color	BLACK
	Eco	
	Eco Sensor	Yes
	Power	
	Power Supply (V)	AC220-240V 50/60Hz
	Power Consumption (Max) (W)	80
	Power Consumption (Energy Saving Mode) (W)	N/A
	Power Consumption (Stand-by) (W)	0.5
	Power Consumption (Typical)	33
	Yearly Power Consumption (EU standard) (kWh)	46
	Dimension (WxHxD)	
	Set Size without Stand (WxHxD)(mm)	725.2 x 426.6 x 30.5
	Set Size with Stand (WxHxD)(mm)	725.2 x 478.5 x 154.2
	Package Size (WxHxD)(mm)	811 x 530 x 120
	Stand Dim (WxD)	
	Stand (Basic)	647 x 154.2
	Stand (Minimum)	N/A
	Weight	
	Set Weight without Stand (kg)	5.3
	Set Weight with Stand (kg)	5.4

	Package Weight with Stand (kg)	7.6
	Accessory	
	Remote Controller Model	TM2180E *UK : TM2180E + TM1240A
	Batteries (for Remote Control)	N/A
	Samsung Smart Control (Included)	Yes
	Slim Fit Wall-mount	N/A
	Optional Stand Support (Y20 Studio)	N/A
	15m/10m One invisible connection Support	N/A
	Mini Wall Mount Support	N/A
	VESA Wall Mount Support	Yes
	Customizable Frame Support	N/A
	The Sero Wheel Support	N/A
	User Manual	Yes
	E-Manual	Yes
	Power Cable	Yes
	HDMI Cable	N/A
	Slim Gender Cable	N/A