	OLED								
	S95F				S9XF (S92F/S93F)				
	QE83S95F	QE77S95F	QE65S95F	QE55S95F	QE77S9XF	QE65S9XF	QE55S9XF	QE48S9XF	QE42S90F
General Information									
Product Type	OLED	OLED	OLED	OLED	OLED	OLED	OLED	OLED	OLED
Display									
Inch	83	77	65	55	77	65	55	48	42
Cm	209	195	163	138	194	163	138	120	
Resolution	4K (3,840 x 2,160)	4K (3,840 x 2,160)	4K (3,840 x 2,160)	4K (3,840 x 2,160)	4K (3,840 x 2,160)	4K (3,840 x 2,160)	4K (3,840 x 2,160)	4K (3,840 x 2,160)	
Refresh Rate	100Hz (Up to 165Hz)	100Hz (Up to 165Hz)	100Hz (Up to 165Hz)	100Hz (Up to 165Hz)	100Hz (Up to 144Hz)	100Hz (Up to 144Hz)	100Hz (Up to 144Hz)	100Hz (Up to 144Hz)	
Anti Reflection	Glare Free	Glare Free	Glare Free	Glare Free	Yes	Yes	Yes	Yes	
Video									
Processor	NQ4 AI Gen3 Processor	NQ4 AI Gen3 Processor	NQ4 AI Gen3 Processor	NQ4 AI Gen3 Processor	NQ4 AI Gen3 Processor	NQ4 AI Gen3 Processor	NQ4 AI Gen3 Processor	NQ4 AI Gen3 Processor	
HDR (High Dynamic Range)	OLED HDR Pro	OLED HDR Pro	OLED HDR Pro	OLED HDR Pro	OLED HDR+	OLED HDR+	OLED HDR+	OLED HDR	
HDR10+	Yes (ADAPTIVE/ GAMING)	Yes (ADAPTIVE/ GAMING)	Yes (ADAPTIVE/ GAMING)	Yes (ADAPTIVE/ GAMING)	Yes (ADAPTIVE/ GAMING)	Yes (ADAPTIVE/ GAMING)	Yes (ADAPTIVE/ GAMING)	Yes (ADAPTIVE/ GAMING)	
Auto HDR Remastering	Auto HDR Remastering pro	Auto HDR Remastering pro	Auto HDR Remastering pro	Auto HDR Remastering pro	Auto HDR Remastering Pro	Auto HDR Remastering Pro	Auto HDR Remastering Pro	Auto HDR Remastering Pro	
HLG (Hybrid Log Gamma)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Contrast	Self-illuminating pixels	Self-illuminating pixels	Self-illuminating pixels	Self-illuminating pixels	Self-illuminating pixels	Self-illuminating pixels	Self-illuminating pixels	Self-illuminating pixels	
Color	Perceptional Color Mapping	Perceptional Color Mapping	Perceptional Color Mapping	Perceptional Color Mapping	Perceptional Color Mapping	Perceptional Color Mapping	Perceptional Color Mapping	Perceptional Color Mapping	
Viewing Angle	Ultra Viewing Angle	Ultra Viewing Angle	Ultra Viewing Angle	Ultra Viewing Angle	Ultra Viewing Angle	Ultra Viewing Angle	Ultra Viewing Angle	Ultra Viewing Angle	
Micro Dimming	-	-	-	-	-	-	-	-	
Contrast Enhancer	Real Depth Enhancer	Real Depth Enhancer	Real Depth Enhancer	Real Depth Enhancer	Real Depth Enhancer	Real Depth Enhancer	Real Depth Enhancer	Real Depth Enhancer	
Motion Technology	Motion Xcelerator 165Hz	Motion Xcelerator 165Hz	Motion Xcelerator 165Hz	Motion Xcelerator 165Hz	Motion Xcelerator 144Hz	Motion Xcelerator 144Hz	Motion Xcelerator 144Hz	Motion Xcelerator 144Hz	
Film Mode	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Adaptive Picture	Optimized/EyeComfort /AI Customization	Optimized/EyeComfort /AI Customization	Optimized/EyeComfort /AI Customization	Optimized/EyeComfort /AI Customization	Optimized/EyeComf ort/AI Customization	Optimized/EyeComf ort/AI Customization	Optimized/EyeComf ort/AI Customization	Optimized/EyeComf ort/AI Customization	
Picture Upscale	4K AI Upscaling Pro	4K AI Upscaling Pro	4K AI Upscaling Pro	4K AI Upscaling Pro	4K AI Upscaling Pro	4K AI Upscaling Pro	4K AI Upscaling Pro	4K AI Upscaling Pro	
AI Motion Enhancer	AI Motion Enhancer Pro	AI Motion Enhancer Pro	AI Motion Enhancer Pro	AI Motion Enhancer Pro	AI Motion Enhancer Pro	AI Motion Enhancer Pro	AI Motion Enhancer Pro	AI Motion Enhancer Pro	
Supersize Picture Enhancer	-	-	-	-	-	-	-	-	
HDR Brightness Optimizer	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Color Booster	Color Booster Pro	Color Booster Pro	Color Booster Pro	Color Booster Pro	Color Booster Pro	Color Booster Pro	Color Booster Pro	Color Booster Pro	
Filmmaker Mode	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Audio									
Dolby Atmos	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Dolby Decoder	MS12 5.1CH	MS12 5.1CH	MS12 5.1CH	MS12 5.1CH	MS12 2CH	MS12 2CH	MS12 2CH	MS12 2CH	
Object Tracking Sound	OTS+	OTS+	OTS+	OTS+	OTS	OTS	OTS	OTS	
Q-Symphony	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Sound Output (RMS)	70W	70W	70W	70W	60W	60W	60W	60W	
Speaker Type	4.2.2CH	4.2.2CH	4.2.2CH	4.2.2CH	2.1.2CH	2.1.2CH	2.1.2CH	2.1.2CH	
Bluetooth Audio	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Active Voice Amplifier	Yes (Active Voice Amplifier Pro)	Yes (Active Voice Amplifier Pro)	Yes (Active Voice Amplifier Pro)	Yes (Active Voice Amplifier Pro)	Yes (Active Voice Amplifier Pro)	Yes (Active Voice Amplifier Pro)	Yes (Active Voice Amplifier Pro)	Yes (Active Voice Amplifier Pro)	
Adaptive Sound	Yes (Adaptive Sound Pro)	Yes (Adaptive Sound Pro)	Yes (Adaptive Sound Pro)	Yes (Adaptive Sound Pro)	Yes (Adaptive Sound Pro)	Yes (Adaptive Sound Pro)	Yes (Adaptive Sound Pro)	Yes (Adaptive Sound Pro)	

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	S95F				S9XF (S92F/S93F)				
	QE83S95F	QE77S95F	QE65S95F	QE55S95F	QE77S9XF	QE65S9XF	QE55S9XF	QE48S9XF	QE42S90F
Smart Service									
Operating System	Tizen™ Smart TV	Tizen™ Smart TV	Tizen™ Smart TV	Tizen™ Smart TV	Tizen™ Smart TV	Tizen™ Smart TV	Tizen™ Smart TV	Tizen™ Smart TV	
Samsung TV Plus	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Web Browser	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
SmartThings Hub / Matter Hub / IoT-Sensor Functionality	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
VESA Standard									
VESA Spec	400 x 400	400 x 400	400 x 300	400 x 300	400 x 300	300 x 200	300 x 200	300 x 200	
Smart Feature					-	-	-	-	
Multi Device Experience	TV to Mobile, Mobile to TV, TV initiate mirroring, Sound Mirroring, Wireless TV On, Tap View	TV to Mobile, Mobile to TV, TV initiate mirroring, Sound Mirroring, Wireless TV On, Tap View	TV to Mobile, Mobile to TV, TV initiate mirroring, Sound Mirroring, Wireless TV On, Tap View	TV to Mobile, Mobile to TV, TV initiate mirroring, Sound Mirroring, Wireless TV On, Tap View	TV to Mobile, Mobile to TV, TV initiate mirroring, Sound Mirroring, Wireless TV On, Tap View	TV to Mobile, Mobile to TV, TV initiate mirroring, Sound Mirroring, Wireless TV On, Tap View	TV to Mobile, Mobile to TV, TV initiate mirroring, Sound Mirroring, Wireless TV On, Tap View	TV to Mobile, Mobile to TV, TV initiate mirroring, Sound Mirroring, Wireless TV On, Tap View	
Multi View	upto 2 videos	upto 2 videos	upto 2 videos	upto 2 videos	upto 2 videos	upto 2 videos	upto 2 videos	upto 2 videos	
Ambient Mode	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Workspace	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Apple AirPlay	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Game Feature					-	-	-	-	
Auto Game Mode (ALLM)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Game Motion Plus	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
VRR	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Dynamic Black EQ	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Surround Sound	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Super Ultra Wide Game View	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Game bar	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
MiniMap Zoom	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Hue sync	Yes (not supported in Lux)	Yes (not supported in Lux)	Yes (not supported in Lux)	Yes (not supported in Lux)	Yes (not supported in Lux)	Yes (not supported in Lux)	Yes (not supported in Lux)	Yes (not supported in Lux)	
FreeSync	FreeSync Premium Pro	FreeSync Premium Pro	FreeSync Premium Pro	FreeSync Premium Pro	FreeSync Premium Pro	FreeSync Premium Pro	FreeSync Premium Pro	FreeSync Premium	
G-SYNC	-	-	-	-	-	-	-	-	
HGiG	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
AI Auto Game Mode	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Feature					-	-	-	-	
9:16 Screen Support	Yes (Need Auto Rotating Accessory, Compatible Model Only)	Yes (Need Auto Rotating Accessory, Compatible Model Only)	Yes (Need Auto Rotating Accessory, Compatible Model Only)	Yes (Need Auto Rotating Accessory, Compatible Model Only)	-	-	-	-	
ConnectShare™	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Knox Vault	-	-	-	-	-	-	-	-	
EPG	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Extended PVR/ Time Shift	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
IP Control	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Teletext (TTX)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
System					-	-	-	-	
Digital Broadcasting	DVB-T2CS2 x 2	DVB-T2CS2 x 2	DVB-T2CS2 x 2	DVB-T2CS2 x 2	DVB-T2CS2 x 2	DVB-T2CS2 x 2	DVB-T2CS2 x 2	DVB-T2CS2 x 2	
Analog Tuner	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
2 Tuner	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
CI (Common Interface)	CI+(1.4)	CI+(1.4)	CI+(1.4)	CI+(1.4)	CI+(1.4)	CI+(1.4)	CI+(1.4)	CI+(1.4)	

	OLED								
	S95F				S9XF (S92F/S93F)				
	QE83S95F	QE77S95F	QE65S95F	QE55S95F	QE77S9XF	QE65S9XF	QE55S9XF	QE48S9XF	QE42S90F
Connectivity					-	-	-	-	
Wi-Fi	Yes (Wi-Fi 5)	Yes (Wi-Fi 5)	Yes (Wi-Fi 5)	Yes (Wi-Fi 5)	Yes (Wi-Fi 5)	Yes (Wi-Fi 5)	Yes (Wi-Fi 5)	Yes (Wi-Fi 5)	
Bluetooth	Yes (BT5.3)	Yes (BT5.3)	Yes (BT5.3)	Yes (BT5.3)	Yes (BT5.3)	Yes (BT5.3)	Yes (BT5.3)	Yes (BT5.3)	
HDMI	4	4	4	4	4	4	4	4	
HDMI Maximum Input Rate	4K 165Hz (for HDMI 1/2/3/4)	4K 165Hz (for HDMI 1/2/3/4)	4K 165Hz (for HDMI 1/2/3/4)	4K 165Hz (for HDMI 1/2/3/4)	4K 144Hz (for HDMI 1/2/3/4)	4K 144Hz (for HDMI 1/2/3/4)	4K 144Hz (for HDMI 1/2/3/4)	4K 144Hz (for HDMI 1/2/3/4)	
HDMI Audio Return Channel	eARC	eARC	eARC	eARC	eARC	eARC	eARC	eARC	
One Connect box	One Connect (Y24 4K)	One Connect (Y24 4K)	One Connect (Y24 4K)	One Connect (Y24 4K)	-	-	-	-	
Anynet+ (HDMI-CEC)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
USB	3 x USB-A, 1 x USB-C	3 x USB-A, 1 x USB-C	3 x USB-A, 1 x USB-C	3 x USB-A, 1 x USB-C	2 x USB-A	2 x USB-A	2 x USB-A	2 x USB-A	
Ethernet (LAN)	1	1	1	1	1	1	1	1	
Audio Out (Mini Jack / LR)	-	-	-	-	-	-	-	-	
Digital Audio Out (Optical)	1	1	1	1	1	1	1	1	
RF In (Terrestrial / Cable input / Satellite Input)	1/1(Common Use for Terrestrial)/2	1/1(Common Use for Terrestrial)/2	1/1(Common Use for Terrestrial)/2	1/1(Common Use for Terrestrial)/2	1/1(Common Use for Terrestrial)/2	1/1(Common Use for Terrestrial)/2	1/1(Common Use for Terrestrial)/2	1/1(Common Use for Terrestrial)/2	
Ex-Link (RS-232C)	-	-	-	-	-	-	-	-	
CI Slot	1	1	1	1	1	1	1	1	
Design					-	-	-	-	
Design	Infinity One	Infinity One	Infinity One	Infinity One	LaserSlim	LaserSlim	LaserSlim	LaserSlim	
Bezel Type	4 Bezel-less	4 Bezel-less	4 Bezel-less	4 Bezel-less	4 Bezel-less	4 Bezel-less	4 Bezel-less	4 Bezel-less	
Front Color	Graphite Black	Graphite Black	Graphite Black	Graphite Black	Graphite Black	Graphite Black	Graphite Black	Graphite Black	
Stand Type	Slim OC Stand	Slim OC Stand	Slim OC Stand	Slim OC Stand	Simple Plus Blade	Simple Plus Blade	Simple Plus Blade	Simple Plus Blade	
Stand Color	Titan Black	Titan Black	Titan Black	Titan Black	Space Titan	Space Titan	Space Titan	Space Titan	
Eco					-	-	-	-	
EU Energy Label	G	F	F	G	F	F	G	G	
EU Energy Label HDR	G	G	G	G	G	G	G	G	
Eco Sensor	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Auto Power Saving	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Auto Power Off	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Power					-	-	-	-	
Power Consumption (Max) (W)	710	700	540	400	630	420	380	230	
Power Consumption (Stand-by) (W)	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	
Power Consumption (Typical) (W)	163	128	100	84	125	89	80	64.7	
Yearly Power Consumption (EU standard) (kWh)	226	178	139	117	173	123	111	90	
Power Consumption HDR (W)	464	423	315	256	344	204	203	132	
Dimension (WxHxD)									
Set Size without Stand (WxHxD)(mm)	1844.2 x 1056.8 x 12.6	1716.6 x 984.1 x 11.2	1443.5 x 829.4 x 11.0	1224.6 x 706.3 x 11.0	1718.5 x 987.6 x 44.9	1444.3 x 831.7 x 39.9	1225.4 x 708.6 x 39.9	1069.3 x 619.9 x 39.6	
Set Size with Stand (WxHxD)(mm)	1844.2 x 1123.4 x 303.7	1716.6 x 1048.1 x 286.4	1443.5 x 894.4 x 267.9	1224.6 x 771.4 x 267.9	1718.5 x 1058.6 x 359.0	1444.3 x 896.7 x 265.2	1225.4 x 773.6 x 265.2	1069.3 x 685.9 x 265.2	
Package Size (WxHxD)(mm)	2055 x 1219 x 191	1893 x 1153 x 185	1625 x 935 x 170	1432 x 818 x 165	1885 x 1154 x 180	1617 x 950 x 160	1385 x 832 x 153	1202 x 748 x 143	
Stand (Basic)	360.0 x 303.7	360.0 x 286.4	360.0 x 267.9	360.0 x 267.9	366.0 x 359.0	366.0 x 265.2	366.0 x 265.2	366.0 x 265.2	
Weight									
Set Weight without Stand (kg)	38.6	28.2	18.9	13.8	32.4	21.2	14.6	10.6	
Set Weight with Stand (kg)	51.9	40.0	29.0	23.9	34.2	22.5	15.9	11.9	
Package Weight (kg)	68.1	54.0	39.8	33.1	44.4	29.9	21.4	16.5	
Accessory					-	-	-	-	
Remote Controller Type	BT SolarCell Remote	BT SolarCell Remote	BT SolarCell Remote	BT SolarCell Remote	BT SolarCell Remote	BT SolarCell Remote	BT SolarCell Remote	BT SolarCell Remote	
Slim Fit Wall-mount Support	Yes	Yes	Yes	Yes	-	Yes	Yes	Yes	
Studio Stand Support	-	-	Yes	Yes	-	-	-	-	
Zigbee / Thread Module	Built-In	Built-In	Built-In	Built-In	Built In	Built In	Built In	Built In	
SlimFit Cam Support	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	