	UHD							
	U80x0F (U8000F/U8020F/U8070F/U8090F)							
	UE85U80x0F	**UE75U80x0F**	**UE70U80x0F**	**UE65U80x0F**	**UE58U80x0F**	**UE55U80x0F**	**UE50U80x0F**	**UE43U80x0F**
General Information								
Product Type	**LED**	**LED**	**LED**	**LED**	**LED**	**LED**	**LED**	**LED**
Display								
Inch	85	75	70	65	58	55	50	43
Cm	214	189	176	163	146	138	125	108
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	50Hz	50Hz	50Hz	50Hz	50Hz	50Hz	50Hz	50Hz
Anti Reflection	-	-	-	-	-	-	-	-
Video								
Processor	Crystal Processor 4K	Crystal Processor 4K	Crystal Processor 4K	Crystal Processor 4K	Crystal Processor 4K	Crystal Processor 4K	Crystal Processor 4K	Crystal Processor 4K
HDR (High Dynamic Range)	HDR	HDR	HDR	HDR	HDR	HDR	HDR	HDR
HDR10+	Support	Support	Support	Support	Support	Support	Support	Support
Auto HDR Remastering	-	-	-	-	-	-	-	-
HLG (Hybrid Log Gamma)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Contrast	Mega Contrast	Mega Contrast	Mega Contrast	Mega Contrast	Mega Contrast	Mega Contrast	Mega Contrast	Mega Contrast
Color	Pur Color	Pur Color	Pur Color	Pur Color	Pur Color	Pur Color	Pur Color	Pur Color
Viewing Angle	-	-	-	-	-	-	-	-
Micro Dimming	UHD Dimming	UHD Dimming	UHD Dimming	UHD Dimming	UHD Dimming	UHD Dimming	UHD Dimming	UHD Dimming
Contrast Enhancer	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Motion Technology	Motion Xcelerator	Motion Xcelerator	Motion Xcelerator	Motion Xcelerator	Motion Xcelerator	Motion Xcelerator	Motion Xcelerator	Motion Xcelerator
Film Mode	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Adaptive Picture	-	-	-	-	-	-	-	-
Picture Upscale	4K Upscaling	4K Upscaling	4K Upscaling	4K Upscaling	4K Upscaling	4K Upscaling	4K Upscaling	4K Upscaling
AI Motion Enhancer	-	-	-	-	-	-	-	-
Supersize Picture Enhancer	-	-	-	-	-	-	-	-
HDR Brightness Optimizer	-	-	-	-	-	-	-	-
Color Booster	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Filmmaker Mode	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Audio								
Dolby Atmos	-	-	-	-	-	-	-	-
Dolby Decoder	MS12 2CH	MS12 2CH	MS12 2CH	MS12 2CH	MS12 2CH	MS12 2CH	MS12 2CH	MS12 2CH
Object Tracking Sound	OTS Lite	OTS Lite	OTS Lite	OTS Lite	OTS Lite	OTS Lite	OTS Lite	OTS Lite
Q-Symphony	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Sound Output (RMS)	20W	20W	20W	20W	20W	20W	20W	20W
Speaker Type	2CH	2CH	2CH	2CH	2CH	2CH	2CH	2CH
Bluetooth Audio	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Active Voice Amplifier	-	-	-	-	-	-	-	-
Adaptive Sound	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
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 300	400 x 300	400 x 300	200 x 200	200 x 200	200 x 200	200 x 200	200 x 200

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Smart Feature								
Multi Device Experience	Mobile to TV, Sound Mirroring, Wireless TV On	Mobile to TV, Sound Mirroring, Wireless TV On	Mobile to TV, Sound Mirroring, Wireless TV On	Mobile to TV, Sound Mirroring, Wireless TV On	Mobile to TV, Sound Mirroring, Wireless TV On	Mobile to TV, Sound Mirroring, Wireless TV On	Mobile to TV, Sound Mirroring, Wireless TV On	Mobile to TV, Sound Mirroring, Wireless TV On
Multi View	-	-	-	-	-	-	-	-
Ambient Mode	-	-	-	-	-	-	-	-
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	-	-	-	-	-	-	-	-
VRR	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Dynamic Black EQ	-	-	-	-	-	-	-	-
Surround Sound	-	-	-	-	-	-	-	-
Super Ultra Wide Game View	-	-	-	-	-	-	-	-
Game bar	-	-	-	-	-	-	-	-
MiniMap Zoom	-	-	-	-	-	-	-	-
Hue sync	-	-	-	-	-	-	-	-
FreeSync	-	-	-	-	-	-	-	-
G-SYNC	-	-	-	-	-	-	-	-
HGiG	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
AI Auto Game Mode	-	-	-	-	-	-	-	-
Feature								
9:16 Screen Support	-	-	-	-	-	-	-	-
ConnectShare™	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Knox Vault	-	-	-	-	-	-	-	-
EPG	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Extended PVR/ Time Shift	-	-	-	-	-	-	-	-
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	DVB-T2CS2	DVB-T2CS2	DVB-T2CS2	DVB-T2CS2	DVB-T2CS2	DVB-T2CS2	DVB-T2CS2
Analog Tuner	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
2 Tuner	-	-	-	-	-	-	-	-
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)
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	3	3	3	3	3	3	3	3
HDMI Maximum Input Rate	4K 60Hz (for HDMI 1/2/3)	4K 60Hz (for HDMI 1/2/3)	4K 60Hz (for HDMI 1/2/3)	4K 60Hz (for HDMI 1/2/3)	4K 60Hz (for HDMI 1/2/3)	4K 60Hz (for HDMI 1/2/3)	4K 60Hz (for HDMI 1/2/3)	4K 60Hz (for HDMI 1/2/3)
HDMI Audio Return Channel	eARC/ARC	eARC/ARC	eARC/ARC	eARC/ARC	eARC/ARC	eARC/ARC	eARC/ARC	eARC/ARC
One Connect box	-	-	-	-	-	-	-	-
Anynet+ (HDMI-CEC)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
USB	1 x USB-A	1 x USB-A	1 x USB-A	1 x USB-A	1 x USB-A	1 x USB-A	1 x USB-A	1 x USB-A
Ethernet (LAN)	1	1	1	1	1	1	1	1
Audio Out (Mini Jack / LR)	-	-	-	-	-	-	-	-
Digital Audio Out (Optical)	-	-	-	-	-	-	-	-
RF In (Terrestrial / Cable input / Satellite Input)	1/1(Common Use for Terrestrial)/1	1/1(Common Use for Terrestrial)/1	1/1(Common Use for Terrestrial)/1	1/1(Common Use for Terrestrial)/1	1/1(Common Use for Terrestrial)/1	1/1(Common Use for Terrestrial)/1	1/1(Common Use for Terrestrial)/1	1/1(Common Use for Terrestrial)/1
Ex-Link (RS-232C)	-	-	-	-	-	-	-	-
CI Slot	1	1	1	1	1	1	1	1

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Design								
Design	Metal Stream	Metal Stream	Metal Stream	Metal Stream	Metal Stream	Metal Stream	Metal Stream	Metal Stream
Bezel Type	3 Bezel-less	3 Bezel-less	3 Bezel-less	3 Bezel-less	3 Bezel-less	3 Bezel-less	3 Bezel-less	3 Bezel-less
Front Color	Black	Black	Black	Black	Black	Black	Black	Black
Stand Type	Basic feet	Basic Feet	Basic Feet	Basic Feet	Basic Feet	Basic Feet	Basic Feet	Basic Feet
Stand Color	Black	Black	Black	Black	Black	Black	Black	Black
Eco								
EU Energy Label	G	G	G	G	G	G	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)	270	220	200	170	160	125	120	110
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)	165	138	122	109	92	79	69	52
Yearly Power Consumption (EU standard) (kWh)	229	191	169	151	128	110	96	72
Power Consumption HDR (W)	268	199	194	161	147	118	112	102
Dimension (WxHxD)								
Set Size without Stand (WxHxD)(mm)	1889.9 x 1083.5 x 77	1668.1 x 957.8 x 77	1567.2 x 875.5 x 77.2	1444.1 x 831.2 x 76.8	1285.7 x 749 x 76.8	1224.6 x 707.8 x 76.6	1110.8 x 643.8 x 76.4	957.8 x 558.8 x 76.3
Set Size with Stand (WxHxD)(mm)	1889.9 x 1132.8 x 326	1668.1 x 1005.9 x 280	1567.2 x 925.8 x 280	1444.1 x 882.2 x 222	1285.7 x 800.2 x 222	1224.6 x 759.1 x 199	1110.8 x 695.1 x 199	957.8 x 609 x 157
Package Size (WxHxD)(mm)	2075 x 1200 x 171	1820 x 1100 x 164	1755 x 1056 x 164	1578 x 930 x 142	1421 x 846 x 135	1354 x 810 x 127	1228 x 743 x 127	1065 x 635 x 118
Stand (Basic)	1411 x 326	1250 x 280	1123 x 280	1004.6 x 222	883 x 222	812.6 x 199	747 x 199	613 x 157
Weight								
Set Weight without Stand (kg)	28.7	22.4	19	14.2	12	9.6	8.3	6.4
Set Weight with Stand (kg)	29.2	22.8	19.4	14.5	12.3	9.9	8.6	6.6
Package Weight (kg)	40.7	31	28.5	21	17.5	14.4	12.0	9.0
Accessory								
Remote Controller Type	IR Simple Remote	IR Simple Remote	IR Simple Remote	IR Simple Remote	IR Simple Remote	IR Simple Remote	IR Simple Remote	IR Simple Remote
Slim Fit Wall-mount Support	-	-	-	-	-	-	-	-
Studio Stand Support	-	-	-	-	-	-	-	-
Zigbee / Thread Module	Dongle Support	Dongle Support	Dongle Support	Dongle Support	Dongle Support	Dongle Support	Dongle Support	Dongle Support
SlimFit Cam Support	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes