	QLED					
	Q7F (Q7FA/Q7F2/Q7F3/Q7F4)					
	QE85Q7FX	**QE75Q7FX**	**QE65Q7FX**	**QE55Q7FX**	**QE50Q7FX**	**QE43Q7FX**
General Information						
Product Type	**LED**	**LED**	**LED**	**LED**	**LED**	**LED**
Display						
Inch	85	75	65	55	50	43
Cm	214	189	163	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)
Refresh Rate	50Hz	50Hz	50Hz	50Hz	50Hz	50Hz
Anti Reflection	-	-	-	-	-	-
Video						
Processor	Q4 AI Processor	Q4 AI Processor	Q4 AI Processor	Q4 AI Processor	Q4 AI Processor	Q4 AI Processor
HDR (High Dynamic Range)	Quantum HDR	Quantum HDR	Quantum HDR	Quantum HDR	Quantum HDR	Quantum HDR
HDR10+	Support	Support	Support	Support	Support	Support
Auto HDR Remastering	-	-	-	-	-	-
HLG (Hybrid Log Gamma)	Yes	Yes	Yes	Yes	Yes	Yes
Contrast	Mega Contrast	Mega Contrast	Mega Contrast	Mega Contrast	Mega Contrast	Mega Contrast
Color	100% Color Volume (QD)	100% Color Volume (QD)	100% Color Volume (QD)	100% Color Volume (QD)	100% Color Volume (QD)	100% Color Volume (QD)
Viewing Angle	-	-	-	-	-	-
Micro Dimming	Supreme UHD Dimming	Supreme UHD Dimming	Supreme UHD Dimming	Supreme UHD Dimming	Supreme UHD Dimming	Supreme UHD Dimming
Contrast Enhancer	Yes	Yes	Yes	Yes	Yes	Yes
Motion Technology	Motion Xcelerator	Motion Xcelerator	Motion Xcelerator	Motion Xcelerator	Motion Xcelerator	Motion Xcelerator
Film Mode	Yes	Yes	Yes	Yes	Yes	Yes
Adaptive Picture	-	-	-	-	-	-
Picture Upscale	4K Upscaling	4K Upscaling	4K Upscaling	4K Upscaling	4K Upscaling	4K Upscaling
AI Motion Enhancer	-	-	-	-	-	-
Supersize Picture Enhancer	-	-	-	-	-	-
HDR Brightness Optimizer	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
Filmmaker Mode	Yes	Yes	Yes	Yes	Yes	Yes
Audio						
Dolby Atmos	-	-	-	-	-	-
Dolby Decoder	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
Q-Symphony	Yes	Yes	Yes	Yes	Yes	Yes
Sound Output (RMS)	20W	20W	20W	20W	20W	20W
Speaker Type	2CH	2CH	2CH	2CH	2CH	2CH
Bluetooth Audio	Yes	Yes	Yes	Yes	Yes	Yes
Active Voice Amplifier	-	-	-	-	-	-
Adaptive Sound	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
Samsung TV Plus	Yes	Yes	Yes	Yes	Yes	Yes
Web Browser	Yes	Yes	Yes	Yes	Yes	Yes
SmartThings Hub / Matter Hub / IoT-Sensor Functionality	Yes	Yes	Yes	Yes	Yes	Yes
VESA Standard						
VESA Spec	600 x 400	400 x 400	400 x 300 mm	200 x 200	200 x 200	200 x 200
Smart Feature						
Multi Device Experience	Mobile to TV, Sound Mirroring, Wireless TV On, Tap View	Mobile to TV, Sound Mirroring, Wireless TV On, Tap View	Mobile to TV, Sound Mirroring, Wireless TV On, Tap View	Mobile to TV, Sound Mirroring, Wireless TV On, Tap View	Mobile to TV, Sound Mirroring, Wireless TV On, Tap View	Mobile to TV, 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
Ambient Mode	-	-	-	-	-	-
Workspace	Yes	Yes	Yes	Yes	Yes	Yes
Apple AirPlay	Yes	Yes	Yes	Yes	Yes	Yes

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Game Feature						
Auto Game Mode (ALLM)	Yes	Yes	Yes	Yes	Yes	Yes
Game Motion Plus	Yes	Yes	Yes	Yes	Yes	Yes
VRR	-	-	-	-	-	-
Dynamic Black EQ	-	-	-	-	-	-
Surround Sound	-	-	-	-	-	-
Super Ultra Wide Game View	Yes	Yes	Yes	Yes	Yes	Yes
Game bar	Yes	Yes	Yes	Yes	Yes	Yes
MiniMap Zoom	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)
FreeSync	-	-	-	-	-	-
G-SYNC	-	-	-	-	-	-
HGiG	Yes	Yes	Yes	Yes	Yes	Yes
AI Auto Game Mode	Yes	Yes	Yes	Yes	Yes	Yes
Feature						
9:16 Screen Support	-	-	-	-	-	-
ConnectShare™	Yes	Yes	Yes	Yes	Yes	Yes
Knox Vault	-	-	-	-	-	-
EPG	Yes	Yes	Yes	Yes	Yes	Yes
Extended PVR/ Time Shift	-	-	-	-	-	-
IP Control	Yes	Yes	Yes	Yes	Yes	Yes
Teletext (TTX)	Yes	Yes	Yes	Yes	Yes	Yes
System						
Digital Broadcasting	DVB-T2CS2	DVB-T2CS2	DVB-T2CS2	DVB-T2CS2	DVB-T2CS2	DVB-T2CS2
Analog Tuner	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)
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)
Bluetooth	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
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)
HDMI Audio Return Channel	eARC	eARC	eARC	eARC	eARC	eARC
One Connect box	-	-	-	-	-	-
Anynet+ (HDMI-CEC)	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
Ethernet (LAN)	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
Ex-Link (RS-232C)	-	-	-	-	-	-
CI Slot	1	1	1	1	1	1
Design						
Design	Slim Look	Slim Look	Slim Look	Slim Look	Slim Look	Slim Look
Bezel Type	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
Stand Type	Flat Feet Narrow	Flat Feet Narrow	Flat Feet Narrow	Flat Feet Narrow	Flat Feet Narrow	Flat Feet Narrow
Stand Color	BLACK	BLACK	BLACK	BLACK	BLACK	BLACK
Eco						
EU Energy Label	G	G	G	G	G	G
EU Energy Label HDR	G	G	G	G	G	G
Eco Sensor	Yes	Yes	Yes	Yes	Yes	Yes
Auto Power Saving	Yes	Yes	Yes	Yes	Yes	Yes
Auto Power Off	Yes	Yes	Yes	Yes	Yes	Yes
Power						
Power Consumption (Max) (W)	275	220	180 W	130	125	115
Power Consumption (Stand-by) (W)	0.50	0.50	0.50 W	0.50	0.50	0.50
Power Consumption (Typical) (W)	162	135	106	79	69	53
Yearly Power Consumption (EU standard) (kWh)	225	187	147 kWh	110	96	74
Power Consumption HDR (W)	279	209	171	118	112	102

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Dimension (WxHxD)						
Set Size without Stand (WxHxD)(mm)	1901.2 x 1088.4 x 61.4	1677.5 x 962.4 x 61.1	1452.9 x 834 x 60.6 mm	1234.1 x 710.8 x 60.3	1120.3 x 647 x 60	967.5 x 561.4 x 59.7
Set Size with Stand (WxHxD)(mm)	1901.2 x 1132.3 x 359	1677.5 x 1006.3 x 325	1452.9 x 879.5 x 267.4 mm	1234.1 x 758 x 237	1120.3 x 694 x 237	967.5 x 609.7 x 191
Package Size (WxHxD)(mm)	2075 x 1200 x 171	1822 x 1100 x 160	1590 x 932 x 148 mm	1369 x 819 x 127	1255 x 765 x 127	1097 x 650 x 123
Stand (Basic)	1415.3 x 359	1253.6 x 325	1025.5 x 267.4 mm	824.6 x 237	750.6 x 237	674.9 x 191
Weight						
Set Weight without Stand (kg)	32.5	25.3	16.7 kg	11.3	9.6	7.1
Set Weight with Stand (kg)	33.1	25.8	17.1 kg	11.6	9.9	7.4
Package Weight (kg)	45.5	32	23.8 kg	16.7	14.7	11
Accessory						
Remote Controller Type	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	-	-
Studio Stand Support	-	-	Yes	Yes	Yes	-
Zigbee / Thread Module	Dongle Support	Dongle Support	Dongle Support	Dongle Support	Dongle Support	Dongle Support
SlimFit Cam Support	Yes	Yes	Yes	Yes	Yes	Yes