	Neo QLED 4K			
	QN7XF (QN70F/QN72F/QN73F/QN74F/QN77F)			
	QE85QN7XF	**QE75QN7XF**	**QE65QN7XF**	**QE55QN7XF**
General Information				
Product Type	**QLED**	**QLED**	**QLED**	**QLED**
Display				
Inch	85	75	65	55
Cm	214	189	163	138
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)
Refresh Rate	100Hz(Up to 144Hz)	100Hz(Up to 144Hz)	100Hz(Up to 144Hz)	100Hz(Up to 144Hz)
Anti Reflection	-	-	-	-
Video				
Processor	NQ4 AI Gen2 Processor	NQ4 AI Gen2 Processor	NQ4 AI Gen2 Processor	NQ4 AI Gen2 Processor
HDR (High Dynamic Range)	Neo Quantum HDR	Neo Quantum HDR	Neo Quantum HDR	Neo Quantum HDR
HDR10+	Yes (ADAPTIVE/ GAMING)	Yes (ADAPTIVE/ GAMING)	Yes (ADAPTIVE/ GAMING)	Yes (ADAPTIVE/ GAMING)
Auto HDR Remastering	Auto HDR Remastering	Auto HDR Remastering	Auto HDR Remastering	Auto HDR Remastering
HLG (Hybrid Log Gamma)	Yes	Yes	Yes	Yes
Contrast	Quantum Matrix Technology Slim	Quantum Matrix Technology Slim	Quantum Matrix Technology Slim	Quantum Matrix Technology Slim
Color	100% Color Volume (QD)	100% Color Volume (QD)	100% Color Volume (QD)	100% Color Volume (QD)
Viewing Angle	Wide Viewing Angle	Wide Viewing Angle	Wide Viewing Angle	Wide Viewing Angle
Micro Dimming	Supreme UHD Dimming	Supreme UHD Dimming	Supreme UHD Dimming	Supreme UHD Dimming
Contrast Enhancer	Real Depth Enhancer	Real Depth Enhancer	Real Depth Enhancer	Real Depth Enhancer
Motion Technology	Motion Xcelerator 144Hz	Motion Xcelerator 144Hz	Motion Xcelerator 144Hz	Motion Xcelerator 144Hz
Film Mode	Yes	Yes	Yes	Yes
Adaptive Picture	Optimized/EyeComfort/AI Customization	Optimized/EyeComfort/AI Customization	Optimized/EyeComfort/AI Customization	Optimized/EyeComfort/AI Customization
Picture Upscale	4K AI Upscaling	4K AI Upscaling	4K AI Upscaling	4K AI Upscaling
AI Motion Enhancer	-	-	-	-
Supersize Picture Enhancer	Yes	-	-	-
HDR Brightness Optimizer	Yes	Yes	Yes	Yes
Color Booster	Color Booster Pro	Color Booster Pro	Color Booster Pro	Color Booster Pro
Filmmaker Mode	Yes	Yes	Yes	Yes

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Audio				
Dolby Atmos	-	-	-	-
Dolby Decoder	MS12 2CH	MS12 2CH	MS12 2CH	MS12 2CH
Object Tracking Sound	OTS Lite	OTS Lite	OTS Lite	OTS Lite
Q-Symphony	Yes	Yes	Yes	Yes
Sound Output (RMS)	20W	20W	20W	20W
Speaker Type	2CH	2CH	2CH	2CH
Bluetooth Audio	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)
Adaptive Sound	Adaptive Sound Pro	Adaptive Sound Pro	Adaptive Sound Pro	Adaptive Sound Pro
Smart Service				
Operating System	Tizen™ Smart TV	Tizen™ Smart TV	Tizen™ Smart TV	Tizen™ Smart TV
Samsung TV Plus	Yes	Yes	Yes	Yes
Web Browser	Yes	Yes	Yes	Yes
SmartThings Hub / Matter Hub / IoT-Sensor Functionality	Yes	Yes	Yes	Yes
VESA Standard				
VESA Spec	600 x 400	400 x 400	400 x 300	200 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
Multi View	upto 2 videos	upto 2 videos	upto 2 videos	upto 2 videos
Ambient Mode	-	-	-	-
Workspace	Yes	Yes	Yes	Yes
Apple AirPlay	Yes	Yes	Yes	Yes
Game Feature				
Auto Game Mode (ALLM)	Yes	Yes	Yes	Yes
Game Motion Plus	Yes	Yes	Yes	Yes
VRR	Yes	Yes	Yes	Yes
Dynamic Black EQ	Yes	Yes	Yes	Yes
Surround Sound	Yes	Yes	Yes	Yes
Super Ultra Wide Game View	Yes	Yes	Yes	Yes
Game bar	Yes	Yes	Yes	Yes
MiniMap Zoom	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)
FreeSync	FreeSync Premium Pro	FreeSync Premium Pro	FreeSync Premium Pro	FreeSync Premium Pro
G-SYNC	-	-	-	-
HGiG	Yes	Yes	Yes	Yes
AI Auto Game Mode	Yes	Yes	Yes	Yes

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Feature				
9:16 Screen Support	-	-	-	-
ConnectShare™	Yes	Yes	Yes	Yes
Knox Vault	-	-	-	-
EPG	Yes	Yes	Yes	Yes
Extended PVR/ Time Shift	Yes	Yes	Yes	Yes
IP Control	Yes	Yes	Yes	Yes
Teletext (TTX)	Yes	Yes	Yes	Yes
System				
Digital Broadcasting	DVB-T2CS2	DVB-T2CS2	DVB-T2CS2	DVB-T2CS2
Analog Tuner	Yes	Yes	Yes	Yes
2 Tuner	-	-	-	-
CI (Common Interface)	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)
Bluetooth	Yes (BT5.3)	Yes (BT5.3)	Yes (BT5.3)	Yes (BT5.3)
HDMI	4	4	4	4
HDMI Maximum Input Rate	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
One Connect box	-	-	-	-
Anynet+ (HDMI-CEC)	Yes	Yes	Yes	Yes
USB	2 x USB-A	2 x USB-A	2 x USB-A	2 x USB-A
Ethernet (LAN)	1	1	1	1
Audio Out (Mini Jack / LR)	-	-	-	-
Digital Audio Out (Optical)	1	1	1	1
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
Ex-Link (RS-232C)	-	-	-	-
CI Slot	1	1	1	1

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Design				
Design	AirSlim	AirSlim	AirSlim	AirSlim
Bezel Type	3 Bezel-less	3 Bezel-less	3 Bezel-less	3 Bezel-less
Front Color	Black	Black	Black	Black
Stand Type	Aero Center	Aero Center	Aero Center	Aero Center
Stand Color	Black	Black	Black	Black
Eco				
EU Energy Label	E	D	E	E
EU Energy Label HDR	G	G	G	G
Eco Sensor	Yes	Yes	Yes	Yes
Auto Power Saving	Yes	Yes	Yes	Yes
Auto Power Off	Yes	Yes	Yes	Yes
Power				
Power Consumption (Max) (W)	310	260	220	200
Power Consumption (Stand-by) (W)	0.50	0.50	0.50	0.50
Power Consumption (Typical) (W)	127	82	84	63
Yearly Power Consumption (EU standard) (kWh)	176	114	117	87
Power Consumption HDR (W)	300	255	189	181
Dimension (WxHxD)				
Set Size without Stand (WxHxD)(mm)	1901.7 x 1086.5 x 26.9	1677.5 x 960.7 x 26.6	1451.7 x 832.2 x 25.7	1232.9 x 709.2 x 25.7
Set Size with Stand (WxHxD)(mm)	1901.7 x 1144.2 x 366.5	1677.5 x 1016.2 x 331.5	1451.7 x 890.4 x 279.4	1232.9 x 765.7 x 247.4
Package Size (WxHxD)(mm)	2059 x 1200 x 171	1815 x 1080 x 164	1597 x 933 x 148	1369 x 819 x 142
Stand (Basic)	375.4 x 366.5	354.8 x 331.5	314.3 x 279.4	263.9 x 247.4
Weight				
Set Weight without Stand (kg)	40.7	29.6	20.8	14.2
Set Weight with Stand (kg)	42.3	30.9	21.8	15.0
Package Weight (kg)	53.9	40.3	29.1	19.7
Accessory				
Remote Controller Type	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
Zigbee / Thread Module	Built-In	Built-In	Built-In	Built-In
SlimFit Cam Support	Yes	Yes	Yes	Yes