

SERIES | 6

650 RANGE

LCD TELEVISION

650 RANGE
LCD TELEVISION



- Crystal TV™
- FHD 1080p
- 100Hz Motion Plus
- Medi@2.0
- Ultra Clear Panel
- 4 HDMI

www.samsung.com/uk

Designs and Specifications are subject to change without notice.

SAMSUNG

650 RANGE

19"

22"

32"

37"

40"

46"

55"

Model Code	Model Code	LE19B650	LE22B650	LE32B650	LE37B650	LE40B650	LE46B650	LE55B650
Series	Series	6	6	6	6	6	6	6
Panel	Ultra Clear Panel	No	No	Ultra Clear	Ultra Clear	Ultra Clear	Ultra Clear	Ultra Clear
Video	Screen Size	19"	22"	32"	37"	40"	46"	55"
Resolution	1366 x 768	1366 x 768	1920 X 1080	1920 X 1080	1920 X 1080	1920 X 1080	1920 X 1080	
Technology	CCFL	CCFL	CCFL	CCFL	CCFL	CCFL	CCFL	
	Picture Engine	DNle+	DNle+	SAMSUNG Crystal FHD Engine	SAMSUNG Crystal FHD Engine	SAMSUNG Crystal FHD Engine	SAMSUNG Crystal FHD Engine	SAMSUNG FHD Engine
	Dynamic Contrast Ratio	High Contrast	High Contrast	Ultra Contrast	Ultra Contrast	Ultra Contrast	Ultra Contrast	Ultra Contrast
	Motion Plus 100/200Hz	No(50Hz)	No(50Hz)	Yes (100Hz)	Yes (100Hz)	Yes (100Hz)	Yes (100Hz)	Yes (100Hz)
	Wide Color Enhancer	WCE 2	WCE 2	WCE 3	WCE 3	WCE 3	WCE 3	WCE 3
	1080 24p Real Movie	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Audio	Sound Effect System & Dolby Digital Plus	SRS Trusurround HD & Dolby Digital Plus	SRS Trusurround HD & Dolby Digital Plus	SRS Trusurround HD & Dolby Digital Plus	SRS Trusurround HD & Dolby Digital Plus	SRS Trusurround HD & Dolby Digital Plus	SRS Trusurround HD & Dolby Digital Plus	SRS Trusurround HD & Dolby Digital Plus
	Speaker Type	Down Firing	Down Firing	Down Firing	Down Firing	Down Firing	Down Firing	Down Firing
	Sound Output(RMS)	3W x 2	3W x 2	10W x 2	10W x 2	10W x 2	10W x 2	15W x 2
	Woofer	No	No	No	No	No	No	No
Feature	Internet@TV	No	No	Yes	Yes	Yes	Yes	Yes
	Wireless DLNA	No	No	Yes (Support)	Yes (Support)	Yes (Support)	Yes (Support)	Yes (Support)
	Content Library (Flash)	No	No	Yes (1G)	Yes (1G)	Yes (1G)	Yes (1G)	Yes (1G)
	USB 2.0	No	No	Yes (USB 2.0 Movie)	Yes (USB 2.0 Movie)	Yes (USB 2.0 Movie)	Yes (USB 2.0 Movie)	Yes (USB 2.0 Movie)
	BD Wise	No	No	Yes	Yes	Yes	Yes	Yes
	Wireless Lan	No	No	Yes	Yes	Yes	Yes	Yes
	Adaptor Support							
	Teletext(TTXT)	1000p	1000p	1000p	1000p	1000p	1000p	1000p
	AnyNet+ (HDMI-CEC)	No	No	Yes	Yes	Yes	Yes	Yes
	Smart Content Manager	No	No	Yes	Yes	Yes	Yes	Yes
	Game mode	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	User Interface	Intelligent	Intelligent	Intelligent	Intelligent	Intelligent	Intelligent	Intelligent
	OSD Language	Europe 25 Language	Europe 25 Language	Europe 25 Language	Europe 25 Language	Europe 25 Language	Europe 25 Language	Europe 25 Language
	Picture-in-Picture	No	No	1 Tuner PIP	1 Tuner PIP	1 Tuner PIP	1 Tuner PIP	1 Tuner PIP
	Sleep Timer	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	Clock & On/Off Timer	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	Auto Channel Search	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	Auto Power Off	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	EPG	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	Auto Volume Leveller	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Additional Feature	Clone Remote Controller Support	No	No	No	No	No	No	No
System	DTV Type	DVB-T/C,MPEG4	DVB-T/C,MPEG4	DVB-T/C,MPEG4	DVB-T/C,MPEG4	DVB-T/C,MPEG4	DVB-T/C,MPEG4	DVB-T/C,MPEG4
	DTV Tuner Built-in	Yes	Yes	Yes	Yes	Yes	Yes	Yes
"Input & Output (Side)"								
	Headphone	No	No	No	No	No	No	No
	HDMI	No	No	1	1	1	1	1
	USB	No	No	2	2	2	2	2
	CI Slot	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	Composite (AV)	No	No	1	1	1	1	1
"Input & Output (Back)"								
	HDMI	1	1	3	3	3	3	3
	USB	No	No	No	No	No	No	No
	Service	1	1	1	1	1	1	1
	PC input (D-sub)	1	1	1	1	1	1	1
	PC Audio Input (Mini Jack)	1	1	1	1	1	1	1
	DVI Audio Input (Mini Jack)	1	1	1	1	1	1	1
	Component(Y/Pb/Pr)	1	1	1	1	1	1	1
	Composite(AV)	1	1	No	No	No	No	No
	Ethernet (LAN)	No	No	1	1	1	1	1
	Digital Audio (Optical)	1	1	1	1	1	1	1
	Headphone	1	1	1	1	1	1	1
	RF Input	1	1	1	1	1	1	1
	Audio Out(L/R)	No	No	1	1	1	1	1
	RS232C	No	No	1	1	1	1	1
	Scart	1	1	2	2	2	2	2
Design	Type	SAMSUNG Crystal TV	SAMSUNG Crystal TV	SAMSUNG Crystal TV	SAMSUNG Crystal TV	SAMSUNG Crystal TV	SAMSUNG Crystal TV	SAMSUNG Crystal TV
	Color	Rose Black	Rose Black	Platinum Black	Platinum Black	Platinum Black	Platinum Black	Platinum Black
	Light Effect	No	No	No	No	No	No	No
	Swivel (Left/Right)	No	No	Yes	Yes	Yes	Yes	Yes
Power	Power Supply	AC220-240V 50/60Hz	AC220-240V 50/60Hz	AC220-240V 50/60Hz	AC220-240V 50/60Hz	AC220-240V 50/60Hz	AC220-240V 50/60Hz	AC220-240V 50/60Hz
	Operation Power Consumption (IEC 62087 Edition 2)	25	40	90	110	150	180	170
	Operation Power Consumption (Energy-saving mode)	15	25	60	60	70	85	85
	Power Consumption (Max)	45	60	130	140	200	240	250
	Stand-by Power Consumption	< 1W	< 1W	< 0.3W	< 0.3W	< 0.3W	< 0.3W	< 0.3W
	Eco Mark	No	No	Eco Flower	Eco Flower	Eco Flower	Eco Flower	Eco Flower
Dimension	Set Size(WXDXH) with Stand	472.0*189.5*362.8	540.0*403.1*362.8	802.9*239.0*601.0	918.7*255.0*664.2	995.1*255.0*705.9	1118.5*277.0*779.6	1310.8*308.0*894.8
	Set Size(WXDXH) without Stand	472.0*63.4*310.7	540.0*63.4*351.0	802.9*77.1*544.9	918.7*78.2*603.7	995.1*78.6*650.4	1118.5*78.6*724.5	1310.8*79.9*841.8
Weight	Package Size(WXDXH)	545.0*384.0*162.0	613.0*424.0*166.0	902.0*615.0*252.0	1191.0*239.0*716.0	1246.0*239.0*746.0	1410.0*260.0*840.0	1425.0*399.0*1013.0
	Set Weight with Stand	4.4	5.1	13.3	17	18.5	24.3	37.2
	Set weight without stand	4.1	4.8	10	13	14.5	19.3	28.8
	Package Weight	5.4	6.4	17.8	20.7	22.8	29.8	40.9
Accessory	Vesa Wall Mount (WXH)	YES (19-22":75x75)	YES (19-22":75x75)	Yes (32-40":200x200)	Yes (32-40":200x200)	Yes (32-40":200x200)	Yes(46-55": 400x400)	Yes(46-55": 400x400)
	Remote Controller Model	TM940	TM940	TM970	TM970	TM970	TM970	TM970
	Batteries	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	ANT- Cable	No	No	No	No	No	No	No
	Power Cable	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	Install CD	No	No	Yes (Wireless DLNA)	Yes (Wireless DLNA)	Yes (Wireless DLNA)	Yes (Wireless DLNA)	Yes (Wireless DLNA)