

SAMSUNG

OLED S85F 4K Vision AI Smart TV (2025)

Enrich your experience with Samsung Vision AI



55", 65", 77", 83"

Top Features

NQ4 AI Gen2 Processor

This processor uses the power of 20 AI neural networks to optimise picture and sound quality. The result is superb performance, whether you're watching streaming services, playing your favourite video games or watching live sports.¹

4K AI Upscaling

Watch your favourite content in brilliant detail. Our AI processor can take content and enhance it up to 4K resolution with 20 AI neural networks — all while maintaining sharp and smooth picture quality.²

OLED HDR

Our processor analyses each scene and boosts for brightness. The result is a beautifully bright screen with incredible contrast, which brings hidden details to light.³

PANTONE Validated

As a trusted symbol of colour fidelity by industry experts, 'PANTONE Validated' certifies the accurate expression of 2,140 PANTONE colours and 110 newly-added skin tone shades. So you can be sure that you're getting a rich, true-to-life viewing experience.⁴

¹ Viewing experience may vary according to types of content and format. Upscaling may not apply to PC connection and Game Mode.

² Picture quality of upscaled content will vary depending on the quality and resolution of source content and may not apply to PC connection and Game Mode.

³ Source content must be HDR10+ format. The range of HDR luminance is based on internal testing standards and subject to change according to viewing environment or specific conditions.

⁴ Picture quality may vary depending on quality and resolution of source content and viewing conditions

Product	Product Category	55"	65"	77"	83"
		OLED	OLED	OLED	OLED
	Model Number	QA55S85FAEXXY	QA65S85FAEXXY	QA77S85FAEXXY	QA83S85FAEXXY
Display	Screen Size	55"	65"	77"	83"
	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)
	Native Refresh Rate	100Hz	100Hz	100Hz	100Hz
	Anti Reflection	Yes	Yes	Yes	Yes
Video	Picture Engine	NQ4 AI Gen2 Processor	NQ4 AI Gen2 Processor	NQ4 AI Gen2 Processor	NQ4 AI Gen2 Processor
	HDR (High Dynamic Range)	OLED HDR	OLED HDR	OLED HDR	OLED HDR
	HDR 10+	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
	Contrast	Self-illuminating pixels	Self-illuminating pixels	Self-illuminating pixels	Self-illuminating pixels
	Viewing Angle	Ultra Viewing Angle	Ultra Viewing Angle	Ultra Viewing Angle	Ultra Viewing Angle
	Micro Dimming	N/A	N/A	N/A	N/A
	Contrast Enhancer	Real Depth Enhancer	Real Depth Enhancer	Real Depth Enhancer	Real Depth Enhancer
	Expert Calibration	N/A	N/A	N/A	N/A
	Smart Calibration	Basic	Basic	Basic	Basic
	Picture Upscale	4K AI Upscaling	4K AI Upscaling	4K AI Upscaling	4K AI Upscaling
	AI Motion Enhancer	N/A	N/A	N/A	N/A
	Supersize Picture Enhancer	N/A	N/A	N/A	N/A
	HDR Brightness Optimiser	Yes	Yes	Yes	Yes
	Colour Booster	Colour Booster Pro	Colour Booster Pro	Colour Booster Pro	Colour Booster Pro
	Filmmaker Mode	Yes	Yes	Yes	Yes
	EyeComfort Mode	Yes	Yes	Yes	Yes
Audio	Dolby Atmos	Yes	Yes	Yes	Yes
	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
	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	Yes (Adaptive Sound Pro)	Yes (Adaptive Sound Pro)	Yes (Adaptive Sound Pro)	Yes (Adaptive Sound Pro)
	360 Audio	Yes	Yes	Yes	Yes

Smart Service	Operating System	55"	65"	77"	83"
		Tizen™ Smart TV	Tizen™ Smart TV	Tizen™ Smart TV	Tizen™ Smart TV
		Bixby	Yes	Yes	Yes
		Far-Field Voice Interaction	Yes	Yes	Yes
		Built-in Voice Assistant	Alexa	Alexa	Alexa
		Works with AI Speaker	Alexa, Google Assistant	Alexa, Google Assistant	Alexa, Google Assistant
		Samsung TV Plus	Yes	Yes	Yes
		Web Browser	Yes	Yes	Yes
		SmartThings Hub / Matter Hub / IoT-Sensor Functionality / Quick Remote	Yes	Yes	Yes
Smart Feature	Multi Device Experience	TV to Mobile, Mobile to TV, TV initiate mirroring, Sound Mirroring, Wireless TV On, Tap View (requires Android 6.0† with Screen Cast capabilities or iPhone iOS 11.4† with AirPlay 2 support) (Tap View requires Android 8.1† with Screen Cast capabilities)	TV to Mobile, Mobile to TV, TV initiate mirroring, Sound Mirroring, Wireless TV On, Tap View (requires Android 6.0† with Screen Cast capabilities or iPhone iOS 11.4† with AirPlay 2 support) (Tap View requires Android 8.1† with Screen Cast capabilities)	TV to Mobile, Mobile to TV, TV initiate mirroring, Sound Mirroring, Wireless TV On, Tap View (requires Android 6.0† with Screen Cast capabilities or iPhone iOS 11.4† with AirPlay 2 support) (Tap View requires Android 8.1† with Screen Cast capabilities)	TV to Mobile, Mobile to TV, TV initiate mirroring, Sound Mirroring, Wireless TV On, Tap View (requires Android 6.0† with Screen Cast capabilities or iPhone iOS 11.4† with AirPlay 2 support) (Tap View requires Android 8.1† with Screen Cast capabilities)
		Multi-View	Up to 2 videos	Up to 2 videos	Up to 2 videos
		Ambient Mode	Yes	Yes	Yes
		ScreenVitals	Yes	Yes	Yes
		Apple AirPlay 2	Yes	Yes	Yes
		Daily+	Yes	Yes	Yes
		Storage Share	Yes	Yes	Yes
		Generative Wallpaper	N/A	N/A	N/A
		Karaoke Mic	Yes	Yes	Yes
Game Feature	Auto Game Mode (ALLM)	Yes	Yes	Yes	Yes
		Game Motion Plus	Yes	Yes	Yes
		VRR	Yes	Yes	Yes
		Dynamic Black EQ	Yes	Yes	Yes
		Surround Sound	Yes	Yes	Yes
		Super Ultra Wide Game View	Yes	Yes	Yes
		MiniMap Zoom	Yes	Yes	Yes
		Hue Sync	Yes	Yes	Yes
		FreeSync	FreeSync Premium	FreeSync Premium	FreeSync Premium
		HGiG	Yes	Yes	Yes
		Gaming Hub	Yes (KR, US, CA, BR, GB, FR, DE, IT, ES, MX, AU)	Yes (KR, US, CA, BR, GB, FR, DE, IT, ES, MX, AU)	Yes (KR, US, CA, BR, GB, FR, DE, IT, ES, MX, AU)
		AI Auto Game Mode	Yes	Yes	Yes

		55"	65"	77"	83"
Tuner/Broadcasting	Digital Broadcasting	DVB-T(T2 Ready)	DVB-T(T2 Ready)	DVB-T(T2 Ready)	DVB-T(T2 Ready)
	Analog Tuner	Yes	Yes	Yes	Yes
	CI (Common Interface)	N/A	N/A	N/A	N/A
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 120Hz (for HDMI 1/2/3/4)	4K 120Hz (for HDMI 1/2/3/4)	4K 120Hz (for HDMI 1/2/3/4)	4K 120Hz (for HDMI 1/2/3/4)
	HDMI Audio Return Channel	eARC	eARC	eARC	eARC
	One Connect Box	N/A	N/A	N/A	N/A
	Anynet+ (HDMI-CEC)	Yes	Yes	Yes	Yes
	USB	2 x USB-A	2 x USB-A	2 x USB-A	2 x USB-A
	POGO (SlimFit Cam Only)	N/A	N/A	N/A	N/A
	Ethernet (LAN)	1	1	1	1
	Audio Out (Mini Jack)	N/A	N/A	N/A	N/A
	Digital Audio Out (Optical)	1	1	1	1
	RF In (Terrestrial / Cable input / Satellite input)	1/1(Common Use for Terrestrial)/0	1/1(Common Use for Terrestrial)/0	1/1(Common Use for Terrestrial)/0	1/1(Common Use for Terrestrial)/0
		Ex-Link (RS-232C)	N/A	N/A	N/A
Design	Design	Contour	Contour	Contour	Contour
	Bezel Type	4 Bezel-less	4 Bezel-less	4 Bezel-less	4 Bezel-less
	Front Colour	GRAPHITE BLACK	GRAPHITE BLACK	GRAPHITE BLACK	GRAPHITE BLACK
	Stand Type	SIMPLE LINEAR	SIMPLE LINEAR	SIMPLE LINEAR	SIMPLE LINEAR
	Stand Colour	BLACK	BLACK	BLACK	BLACK
Additional Feature	Auto Rotation	N/A	N/A	N/A	N/A
	Art Mode	N/A	N/A	N/A	N/A
	Art Store	N/A	N/A	N/A	N/A
	Motion Detection	N/A	N/A	N/A	N/A
	Knox Vault	N/A	N/A	N/A	N/A
	Embedded POP	N/A	N/A	N/A	N/A
	EPG	Yes	Yes	Yes	Yes
	Extended PVR	Yes	Yes	Yes	Yes
	IP Control	Yes	Yes	Yes	Yes
	OSD Language	Local Languages	Local Languages	Local Languages	Local Languages

		55"	65"	77"	83"
Accessibility	Voice Guide	Chinese (China), English (Australia), French (France), German (Germany), Italian (Italy), Korean (Korea), Malay (Malaysia), Spanish (Spain)	Chinese (China), English (Australia), French (France), German (Germany), Italian (Italy), Korean (Korea), Malay (Malaysia), Spanish (Spain)	Chinese (China), English (Australia), French (France), German (Germany), Italian (Italy), Korean (Korea), Malay (Malaysia), Spanish (Spain)	Chinese (China), English (Australia), French (France), German (Germany), Italian (Italy), Korean (Korea), Malay (Malaysia), Spanish (Spain)
	Low Vision Support	Audio Subtitles, Magnification, Audio Description, Zoom Menu and Text, High Contrast, SeeColors, Colour Inversion, Grayscale, Auto Picture Off	Audio Subtitles, Magnification, Audio Description, Zoom Menu and Text, High Contrast, SeeColors, Colour Inversion, Grayscale, Auto Picture Off	Audio Subtitles, Magnification, Audio Description, Zoom Menu and Text, High Contrast, SeeColors, Colour Inversion, Grayscale, Auto Picture Off	Audio Subtitles, Magnification, Audio Description, Zoom Menu and Text, High Contrast, SeeColors, Colour Inversion, Grayscale, Auto Picture Off
	Hearing Impaired Support	Closed Caption (Subtitle), Multi-output Audio, Sign Language Zoom	Closed Caption (Subtitle), Multi-output Audio, Sign Language Zoom	Closed Caption (Subtitle), Multi-output Audio, Sign Language Zoom	Closed Caption (Subtitle), Multi-output Audio, Sign Language Zoom
	Motor Impaired Support	Slow Button Repeat, Remote Control App. for All	Slow Button Repeat, Remote Control App. for All	Slow Button Repeat, Remote Control App. for All	Slow Button Repeat, Remote Control App. for All
Power & Eco Solution	Power Supply	AC220-240V~ 50/60Hz	AC220-240V~ 50/60Hz	AC220-240V~ 50/60Hz	AC220-240V~ 50/60Hz
	Power Consumption (Max)	265 W	320 W	430 W	490 W
	Power Consumption (Stand-by)	0.5 W	0.5 W	0.5 W	0.5 W
	Power Consumption (Typical)	104.0 W	129.0 W	138.0 W	186.0 W
	Power Consumption (Energy Saving Mode)	N/A	N/A	N/A	N/A
	Yearly Power Consumption (EU standard)	383 kWh	474 kWh	507 kWh	682 kWh
	Eco Sensor	Yes	Yes	Yes	Yes
	Auto Power Saving	Yes	Yes	Yes	Yes
	Energy Efficiency Class	4	4.5	6	5
	Auto Power Off	Yes	Yes	Yes	Yes
Dimension	Package Size (WxHxD)	1383.0 x 832.0 x 147.0 mm	1617.0 x 950.0 x 160.0 mm	1889.0 x 1168.0 x 169.0 mm	2022.0 x 1200.0 x 183.0 mm
	Set Size with Stand (WxHxD)	1225.7 x 764.4 x 235.3 mm	1446.6 x 897.8 x 263.3 mm	1721.4 x 1060.0 x 330.2 mm	1849.0 x 1129.5 x 348.7 mm
	Set Size without Stand (WxHxD)	1225.7 x 705.6 x 33.9 mm	1446.6 x 829.7 x 33.9 mm	1721.4 x 991.4 x 33.9 mm	1849.0 x 1059.0 x 34.9 mm
	Stand (Basic) (WxD)	896.9 x 235.3 mm	953.1 x 263.3 mm	1152.0 x 330.2 mm	1254.0 x 348.7 mm
Weight	Package Weight	18.4 kg	25.0 kg	37.9 kg	45.8 kg
	Set Weight with Stand	13.4 kg	17.8 kg	28.8 kg	33.9 kg
	Set Weight without Stand	13.0 kg	17.4 kg	28.1 kg	32.9 kg
Accessory	Remote Controller Model	TM2360E	TM2360E	TM2360E	TM2360E
	Slim Fit Wall-mount Support	Yes	Yes	N/A	N/A
	Studio Stand Support	N/A	N/A	N/A	N/A
	Auto-Rotation Accessory Support	N/A	N/A	N/A	N/A
	Full Motion Slim Wall Mount Support (Y22)	Yes	Yes	Yes	Yes
	SlimFit Cam Support	Yes	Yes	Yes	Yes
	Zigbee / Thread Module	Built-In	Built-In	Built-In	Built-In
	User Manual	Yes	Yes	Yes	Yes
	Power Cable	Yes	Yes	Yes	Yes